

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of MENDRICK *et al.*

Confirmation No.: 7118

Serial No.: 10/501,933

Group Art Unit: 1609

Filed: October 27, 2004

Examiner: Larry D. Riggs II

For: MOLECULAR HEPATOTOXICITY MODELING

Mail Stop Amendment
Commissioner for Patents
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SUBSTITUTE TABLE 5 (including Tables 5A-5WWW)

PART 2

201	6135	91.71	60.23	28.77	167.14	63.23
754	11533	91.55	146.33	72.7	22.77	54.12
2386	22835	91.55	606.59	168.59	329.6	87.98
1250	21757	91.49	139.6	29.05	57.08	32.39
581	19086	91.44	307.02	105.81	121.33	68.32
3424	18727	91.41	1422.51	224.04	760.02	380.58
1425	3961	91.39	114.72	26.66	56.91	23.54
1922	12965	91.39	163.31	40.52	65.42	44.71
1022	5989	91.31	352.05	40.06	207.94	64.14
1831	17753	91.28	318.47	66.17	178.84	58.86
1028	12000	91.25	733.3	182.64	313.58	160.02
3534	21238	91.2	264.41	107.68	78.93	76.74
2891	21864	91.02	53.11	15.17	23.33	12.17
4068	15832	91.02	147.96	26.99	93.63	36.79
3617	17379	90.88	329.17	96.81	117.22	69.28
74	15011	90.88	155.88	46.39	82.42	32.9
3154	11137	90.75	791.65	145.34	412.17	156.26
3492	21062	90.14	82.55	21.3	24.77	77.95
3162	15872	90.11	910.15	170.07	496.35	167.4
3856	24779	89.87	1128.09	336.53	217.04	431.31
2983	21097	89.87	1420.72	240.02	921.49	391.32
594	11998	89.85	84.46	30.21	30.83	23.8
3801	18795	89.79	986.47	184.83	539.29	202.72
3299	8182	89.74	1203.09	47.91	1456.02	336.76
3192	24264	89.66	134.26	38.26	53.05	39.71
4164	958	89.58	807.4	316.04	296.8	130.18
3648	16163	89.55	648.04	88.56	458.64	164.64
2973	13682	89.15	288.54	74.18	153.7	61.35
3229	3430	88.84	690.29	198.65	233.82	132.92
3416	18702	88.81	164.57	74.52	58.66	22.27
444	15371	88.78	399.55	39.17	276.85	80.39
4143	25608	88.76	101.93	59.54	26.16	15.79
92	7947	88.46	131.98	31.57	80.52	36.3
3556	22282	88.44	147.9	29.13	93.96	29.46
1220	15292	88.38	358.65	103.05	161.56	63.44
2934	1549	88.38	410.81	141.11	184.09	57.88
3856	25321	88.2	798.05	338.01	64.55	167.83
3651	1920	88.17	790.83	133.55	440.27	270.56
4285	1818	88.14	1238.63	134.19	2116.18	830.64
3568	18728	88.04	141.59	26.39	98.85	24.21
3227	16982	87.99	987.99	320.68	332.79	475.14
4087	40	87.85	124.51	70.07	364.67	185.93
439	15313	87.8	99.62	50.66	27.35	36.67
610	14465	87.64	108.1	89.05	52.01	35.18
3248	15621	87.53	663.06	152.66	368.33	86.66
4212	1959	87.45	1193.48	118.42	2992.83	1816.78
3981	14822	87.37	293.24	88.39	140.34	51.94
4088	111	87.29	1115.66	277.57	3169.68	2035.12
394	21707	87.27	154.97	77.69	40.63	51.97
4091	2010	87.24	1441.28	152.66	2692.81	1261.9
3626	4234	87.21	1161.14	205.78	613.08	296.43
511	22314	87.13	300.82	75.74	141.88	48.44
2803	5545	87.11	792.71	164.59	1493.88	573.16

4286	3831	87.08	58.81	13.55	34.3	24.63
104	13930	87.03	252.18	77.11	147.06	105.72
4047	14632	87.03	1014.2	130.21	1528.57	1137.28
3196	23544	87	1094.48	73.24	1407.07	333.8
3643	4010	86.98	1382.63	273.1	3098.05	2058.69
3581	15683	86.87	121.35	56.18	38.42	29.66
3080	6477	86.84	1694.29	106.3	2267.84	867.07
4063	8210	86.84	338.41	120.93	125.65	85.94
2953	108	86.76	1105.33	125.21	2181.99	1123.63
25	16942	86.76	886.77	126.9	1437.03	498.61
3534	21239	86.74	765.8	261.3	322.09	178.98
581	19085	86.68	210.93	69.97	86.09	45.38
912	1798	86.68	1484.39	174.76	2804.34	1336.11
3401	23491	86.66	67.14	20.87	140.44	66.74
485	22860	86.63	118.74	38.34	54.3	23.7
3473	8211	86.52	1188.67	125.17	2378.65	1113.31
3564	1853	86.52	1338.93	193.22	2982.14	1637.61
3294	2968	86.44	1151.48	133.67	2449.68	1262.65
3643	4012	86.44	1414	214.2	2443.23	1160.81
3161	17306	86.36	1382.22	224.07	2606.3	1273.84
1836	14981	86.34	1141.57	161.43	3446.36	2312.72

TABLE 5NN: INDOMETHACIN Attorney Docket 44921-5038-01-WO
Timepoint(s): 48, 72 hrs Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3236	20864	99.76	22.07	8.1	473.18	380.52
3515	17500	99.76	174.03	33.42	28.03	42.3
3377	15503	99.71	707.2	157.43	61.75	41.85
3634	635	99.55	356.02	104.81	1579.4	481.32
4098	17281	99.55	77.18	25.65	630.46	189.09
1767	5687	99.52	45.22	12.45	224.58	66.95
3634	25525	99.5	291.2	107.36	1352.98	361.99
3377	15504	99.47	863.83	283.47	41.6	61.95
2703	21414	99.42	1352.84	131.93	114.58	156.26
3634	634	99.39	432.57	121.45	1538.18	416.47
3057	22514	99.39	744.68	197.84	50.41	64.45
364	6431	99.39	1733.91	415.59	180.39	214.32
2472	2088	99.34	174.83	69.74	34.94	23.17
605	16366	99.34	93.95	42.5	800.53	302.18
235	6200	99.34	1517.47	437.52	67.7	98.35
1219	2012	99.34	433.93	109.02	64.15	36.03
68	14504	99.34	1218.06	151.51	139.14	164.06
605	16367	99.31	164.6	117.46	1422.75	539.55
534	19469	99.31	149.18	32.53	478.15	112.46
764	19444	99.31	562.59	270.42	35.95	70.52
3057	22512	99.28	660.51	290.11	28.4	42.93
560	2013	99.28	186.78	42.25	22.86	21.27
1912	22522	99.23	81.82	24.3	249.27	62.78
1551	4892	99.2	2302.4	1160.31	132.97	256.35
827	23005	99.2	620.21	76.08	122.59	80.13

2610	14081	99.2	1288.65	640.74	38.65	86.88
1821	6541	99.18	412.63	39.8	215.12	104.04
3912	6143	99.18	122.62	42.4	823.43	449.41
332	15207	99.18	303.17	40.71	74.03	39.9
4207	1893	99.18	266.77	71.14	31.12	27.82
541	8317	99.18	110.89	21.93	637.6	220.45
1697	9583	99.15	416.77	51.01	60.09	97.66
3953	15029	99.15	176.23	42	1588.92	516.45
1883	8273	99.15	388.63	151.29	42.51	25.01
276	21285	99.12	1018.03	350.87	98.52	156.99
739	4933	99.1	418.95	103.33	2049.11	736.07
3112	24589	99.07	529	248.49	54.24	44.27
4120	155	99.07	180.93	33.27	41.29	25.2
327	18580	99.07	1267.38	310.49	221.92	126.09
1268	3121	99.02	171.84	59.51	821.21	247.16
3490	12606	98.99	161.66	41.16	742.66	237.27
702	18990	98.96	162.68	53.68	752.65	355.55
1956	17369	98.96	430.65	73.83	119.15	44.67
3643	4011	98.94	509.46	121.38	1823.51	676.9
539	14330	98.94	942.7	237.45	236	118.54
1482	7384	98.91	1780.22	300.89	686.94	245.66
2055	13361	98.91	349.1	47.62	182.6	37.74
427	15116	98.91	257.21	62.72	85.81	27.62
3687	14185	98.91	1185.42	257.99	313.52	177.82
2086	11426	98.91	350.88	45.99	121.21	51.34
3162	15872	98.91	98.44	36.44	500.46	168.63
1672	7743	98.91	345.67	60.84	110.57	52.5
130	24237	98.91	912.03	228.83	184.87	96.96
2782	14840	98.89	236.7	44.89	72.02	37.34
3306	9124	98.86	793.91	57.23	375.63	97.89
4004	17684	98.86	92.04	17.94	322.08	87.9
2000	10984	98.86	129.88	64.62	1060.09	302.49
2477	12551	98.86	50.4	10.88	233.66	77.71
3156	17541	98.83	448.67	101.47	1635.58	637.34
941	22690	98.83	97.78	59.37	653.38	276.46
3000	14881	98.83	415.82	120.83	1707.93	632.16
4246	556	98.83	326.23	26.19	669.91	127.65
1702	9079	98.83	788.75	135.81	310.96	88.92
687	4636	98.83	435.3	83.64	73.38	124.83
3965	23321	98.83	70.84	11.27	238.71	64.44
3953	16993	98.83	181.67	44.16	1061.5	291.65
3309	20529	98.83	1248.68	268.72	127.3	176.94
3420	20816	98.81	771.64	143.25	245.66	388.61
958	17499	98.81	148.93	29.77	25.73	89.53
618	13332	98.81	55.78	8.2	229.78	83.4
123	14600	98.81	535.82	168.97	115.13	47.39
3153	373	98.78	95.13	34.96	475.37	164.19
2285	6189	98.78	180.55	93.95	3941.06	2199.2
722	22897	98.75	171.35	48.54	42.52	23.63
2963	43	98.75	142.99	32.74	436.41	130.66
1776	5421	98.75	521.6	96.83	200.28	71.9
2926	21014	98.75	187.37	72.97	1046.08	348.11
1068	2320	98.75	57.11	20.6	305.95	108.38

1911	4914	98.75	72.31	29.34	482.29	149.47
447	15888	98.73	393.33	60.16	165.93	140.34
1172	3744	98.73	515.5	85.21	189.2	149.68
957	21947	98.73	132.87	26.87	396.84	97.07
1127	3112	98.7	476.11	98.4	199.28	62.44
3277	15517	98.7	115.84	32.38	32.43	15.57
1601	10055	98.65	94.7	9.27	34.76	28.72
1546	19121	98.65	130.93	38.98	24.05	21.62
2177	19004	98.65	454.67	78.8	147.74	65.62
1465	21074	98.65	920.52	66.01	445.27	138.25
4050	6366	98.65	796.93	120.52	273.22	98.99
4144	699	98.65	1188.89	92.19	609.29	154.22
1233	1995	98.62	114.72	164.94	1945.29	964.02
2644	4026	98.62	925.46	134.15	371.92	127.61
1880	2484	98.59	21.07	11.5	357.2	222.64
852	12277	98.59	238.39	55.81	32.61	39.1
338	13523	98.59	542.26	77.21	251.51	74.05
2654	6532	98.59	312.02	38.89	140.36	42.5
3185	2555	98.59	543.06	103.8	125.65	84.95
507	20523	98.59	397.31	131.77	47.75	64.63
3838	20869	98.57	255.12	72.98	59.6	47.42
3383	21443	98.57	805.71	152.23	325.49	85.92
3866	16809	98.57	165.52	38.18	29.27	24.29
3269	18453	98.57	84.64	17.34	644.76	264.64
3745	5175	98.54	223.53	69.32	40.02	63.42
3057	22515	98.54	1444.32	389.76	124.13	387.74
3133	20354	98.51	371.97	55.85	51.01	55.74
3951	1827	98.49	72.31	10.06	20.56	18.93
3838	20868	98.49	189.92	59.99	41.52	34.83
648	19411	98.49	178.07	42.51	33.37	19.72
3618	15185	98.49	218.02	62.85	60.41	100.75
493	17693	98.46	55.17	11.57	211.14	128.01
4179	9842	98.46	640.71	77.24	1606.87	410.98
3387	10015	98.43	319.83	48.32	138.08	50.73
3137	17257	98.43	191.55	56.09	40.38	31.83
2857	2005	98.43	86.81	18.58	20.19	12.65
5	4439	98.43	582.49	135.61	221.08	57.4
2995	2505	98.41	162.62	66.27	755.53	189.25
2797	10071	98.38	58.58	6.19	30.71	24.21
3576	17377	98.38	247.39	32.73	73.21	49.04
3482	8597	98.35	250.46	49.87	102.41	31.77
2118	20783	98.35	236.5	77.37	51.51	38.96
3387	10016	98.33	271.85	40.63	91.73	47.86
3567	1221	98.33	792.81	211.28	29.91	112.09
3642	16048	98.33	376.11	63.21	172.15	51.53
3064	7427	98.33	154.07	30.86	32.24	29.86
3021	9223	98.3	328.74	141.18	88.51	39.55
2320	1572	98.3	163.83	15.75	72.94	32.13
3334	14003	98.3	31.78	9.08	157.09	102.34
4127	18038	98.3	64.36	15.87	249.99	90.04
3137	17258	98.27	247.13	55.44	104.88	31.2
114	12797	98.27	78.98	28.38	20.5	12.63
3652	24219	98.22	1060.73	108.75	377.99	183.97

3072	16519	98.22	1274.29	222.32	366.94	216.58
343	17382	98.22	131.83	14.87	274.82	87.76
4116	17480	98.22	163.32	52.34	68.15	33.41
436	16416	98.2	271.85	91.29	108.09	60.15
4186	1700	98.17	301.86	72.09	83.5	41.83
2922	21012	98.14	495.25	96.3	1522.52	566.27
4158	794	98.14	145.59	44.27	804.82	225.28
4235	21657	98.12	1345.86	71.6	749.74	292.41
3250	18988	98.09	30.38	13.56	223.34	129.63
3933	20879	98.09	43.74	30.64	625.47	269.64
3965	23322	98.06	175.17	55.47	557.6	145.02
3214	13283	98.01	183.6	63.4	902.59	271.24
2967	13499	97.98	157.44	31.79	50.5	36.82
2838	14882	97.96	354.04	130.14	1304.22	413.04
1287	2853	97.96	129.41	20.44	57.52	45.82
3271	1262	97.93	173.78	34.84	48.39	29.8
1228	23044	97.93	334.36	75.68	152.38	55.27
3306	9125	97.9	1110.1	130.53	634.63	135.06
2251	14384	97.9	512.02	67.81	246.63	62.43
4120	154	97.9	418.22	115.55	165.54	59.93
3274	10887	97.9	29.6	7.88	106.33	32.62
1928	1841	97.88	275.92	85.51	46.56	50.38
2964	1795	97.85	80.33	33.43	535.15	374.1

TABLE 500: INDOMETHACIN

Attorney Docket 44921-5038-01-WO

Timepoint(s): 48, 72 hrs

Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2472	2088	99.34	174.83	69.74	34.94	23.17
1912	22522	99.23	81.82	24.3	249.27	62.78
541	8317	99.18	110.89	21.93	637.6	220.45
332	15207	99.18	303.17	40.71	74.03	39.9
3912	6143	99.18	122.62	42.4	823.43	449.41
1821	6541	99.18	412.63	39.8	215.12	104.04
1697	9583	99.15	416.77	51.01	60.09	97.66
1268	3121	99.02	171.84	59.51	821.21	247.16
3490	12606	98.99	161.66	41.16	742.66	237.27
3643	4011	98.94	509.46	121.38	1823.51	676.9
130	24237	98.91	912.03	228.83	184.87	96.96
3162	15872	98.91	98.44	36.44	500.46	168.63
2086	11426	98.91	350.88	45.99	121.21	51.34
2055	13361	98.91	349.1	47.62	182.6	37.74
1482	7384	98.91	1780.22	300.89	686.94	245.66
2782	14840	98.89	236.7	44.89	72.02	37.34
2477	12551	98.86	50.4	10.88	233.66	77.71
4004	17684	98.86	92.04	17.94	322.08	87.9
3306	9124	98.86	793.91	57.23	375.63	97.89
3953	16993	98.83	181.67	44.16	1061.5	291.65
3965	23321	98.83	70.84	11.27	238.71	64.44
687	4636	98.83	435.3	83.64	73.38	124.83
4246	556	98.83	326.23	26.19	669.91	127.65

3000	14881	98.83	415.82	120.83	1707.93	632.16
941	22690	98.83	97.78	59.37	653.38	276.46
3156	17541	98.83	448.67	101.47	1635.58	637.34
123	14600	98.81	535.82	168.97	115.13	47.39
618	13332	98.81	55.78	8.2	229.78	83.4
958	17499	98.81	148.93	29.77	25.73	89.53
3420	20816	98.81	771.64	143.25	245.66	388.61
2285	6189	98.78	180.55	93.95	3941.06	2199.2
1911	4914	98.75	72.31	29.34	482.29	149.47
1068	2320	98.75	57.11	20.6	305.95	108.38
1776	5421	98.75	521.6	96.83	200.28	71.9
957	21947	98.73	132.87	26.87	396.84	97.07
1172	3744	98.73	515.5	85.21	189.2	149.68
447	15888	98.73	393.33	60.16	165.93	140.34
3277	15517	98.7	115.84	32.38	32.43	15.57
1127	3112	98.7	476.11	98.4	199.28	62.44
4050	6366	98.65	796.93	120.52	273.22	98.99
1465	21074	98.65	920.52	66.01	445.27	138.25
2177	19004	98.65	454.67	78.8	147.74	65.62
1601	10055	98.65	94.7	9.27	34.76	28.72
2644	4026	98.62	925.46	134.15	371.92	127.61
1233	1995	98.62	114.72	164.94	1945.29	964.02
3185	2555	98.59	543.06	103.8	125.65	84.95
2654	6532	98.59	312.02	38.89	140.36	42.5
338	13523	98.59	542.26	77.21	251.51	74.05
1880	2484	98.59	21.07	11.5	357.2	222.64
3269	18453	98.57	84.64	17.34	644.76	264.64
3866	16809	98.57	165.52	38.18	29.27	24.29
3838	20869	98.57	255.12	72.98	59.6	47.42
3057	22515	98.54	1444.32	389.76	124.13	387.74
3745	5175	98.54	223.53	69.32	40.02	63.42
286	19502	98.54	146.75	66.72	20.91	19.92
322	23243	98.54	353.21	81.79	1801.92	781.55
3133	20354	98.51	371.97	55.85	51.01	55.74
830	6615	98.51	86.66	37.59	439.43	127.94
1840	17168	98.51	392.82	38.51	171.34	66.57
3838	20868	98.49	189.92	59.99	41.52	34.83
3951	1827	98.49	72.31	10.06	20.56	18.93
3618	15185	98.49	218.02	62.85	60.41	100.75
4050	6365	98.46	239.58	39.19	64.3	44.18
1404	21796	98.46	262.23	36.09	104.09	57.2
4179	9842	98.46	640.71	77.24	1606.87	410.98
2569	11720	98.46	1655.11	483.2	741.19	262.16
493	17693	98.46	55.17	11.57	211.14	128.01
3137	17257	98.43	191.55	56.09	40.38	31.83
5	4439	98.43	582.49	135.61	221.08	57.4
3387	10015	98.43	319.83	48.32	138.08	50.73
2857	2005	98.43	86.81	18.58	20.19	12.65
1723	9191	98.43	66.27	45.82	694.11	284.39
750	18891	98.43	72.67	19.78	302.28	168.85
244	6614	98.41	142.5	67.39	908.9	267.48
2995	2505	98.41	162.62	66.27	755.53	189.25
1162	3362	98.41	246.82	39.49	91	35.51

1504	14492	98.38	678.69	178.71	249.98	102.11
3576	17377	98.38	247.39	32.73	73.21	49.04
1449	7225	98.38	681.39	93.08	341.99	92.47
2797	10071	98.38	58.58	6.19	30.71	24.21
222	15117	98.35	70.78	12.63	20.71	12.16
1077	2383	98.35	45.87	6.4	149.36	56.17
2118	20783	98.35	236.5	77.37	51.51	38.96
3482	8597	98.35	250.46	49.87	102.41	31.77
3567	1221	98.33	792.81	211.28	29.91	112.09
3064	7427	98.33	154.07	30.86	32.24	29.86
2714	7604	98.33	853.94	176.21	331.07	110.76
3387	10016	98.33	271.85	40.63	91.73	47.86
3776	23558	98.33	76.35	29.41	331.95	82.23
1499	2310	98.33	598.61	180.42	89.35	96.91
3791	9267	98.33	546.61	128.35	1732.87	482.93
712	17368	98.33	376.5	82.63	135.24	48.7
3642	16048	98.33	376.11	63.21	172.15	51.53
2320	1572	98.3	163.83	15.75	72.94	32.13
4127	18038	98.3	64.36	15.87	249.99	90.04
1773	7868	98.3	86.78	8.41	274.28	104.28
923	1707	98.3	1662.8	198.9	887.31	209.03
3021	9223	98.3	328.74	141.18	88.51	39.55
1009	23762	98.3	396.49	66.78	194	53.64
3334	14003	98.3	31.78	9.08	157.09	102.34
2303	13580	98.3	104.63	27.21	29.78	19.57
114	12797	98.27	78.98	28.38	20.5	12.63
3652	24219	98.22	1060.73	108.75	377.99	183.97
343	17382	98.22	131.83	14.87	274.82	87.76
4116	17480	98.22	163.32	52.34	68.15	33.41
436	16416	98.2	271.85	91.29	108.09	60.15
2922	21012	98.14	495.25	96.3	1522.52	566.27
4158	794	98.14	145.59	44.27	804.82	225.28
4235	21657	98.12	1345.86	71.6	749.74	292.41
3250	18988	98.09	30.38	13.56	223.34	129.63
3933	20879	98.09	43.74	30.64	625.47	269.64
3965	23322	98.06	175.17	55.47	557.6	145.02
3214	13283	98.01	183.6	63.4	902.59	271.24
2967	13499	97.98	157.44	31.79	50.5	36.82
2838	14882	97.96	354.04	130.14	1304.22	413.04
1287	2853	97.96	129.41	20.44	57.52	45.82
3271	1262	97.93	173.78	34.84	48.39	29.8
1228	23044	97.93	334.36	75.68	152.38	55.27
3306	9125	97.9	1110.1	130.53	634.63	135.06
2251	14384	97.9	512.02	67.81	246.63	62.43
3274	10887	97.9	29.6	7.88	106.33	32.62
1928	1841	97.88	275.92	85.51	46.56	50.38
2964	1795	97.85	80.33	33.43	535.15	374.1
3269	18452	97.82	193.43	54.35	1067.34	455.74
69	11423	97.82	98.61	17.64	33.73	15.52
435	20701	97.77	1801.6	178.47	879.28	390.31
2877	135	97.72	68.79	24.42	307.58	109.35
3653	5497	97.69	185.92	67.22	644.28	186.48
3871	21066	97.69	122.51	17.34	59.2	18.89

576	11203	97.69	116.74	27.79	42.14	17.41
4128	18036	97.69	71.26	19.65	277.73	93.62
3683	13187	97.66	58.23	8.34	30.34	73.8
2994	19255	97.64	657.51	209.95	202.15	96.67
3649	9621	97.64	555.66	53.95	280.53	80.02
3140	7784	97.61	49.96	9.99	121.96	50.77
3085	16080	97.56	230.04	82.1	70.93	143.01
3027	70	97.56	157.89	39.95	473.92	142.37
588	12118	97.56	767.36	146.25	267.5	189.09
4241	15387	97.53	799.7	43.68	519.72	120.18
2878	25313	97.51	276.33	53.95	99.09	60.63
3364	1173	97.51	97.49	103.47	1578.26	696.88
3995	21916	97.48	986.81	199.02	557.17	123.31
2847	25257	97.45	318.98	90.76	98.49	66.84
3233	21396	97.4	231.43	17.78	468.82	136.78
422	309	97.35	1105.54	113.43	693.57	136.64
2994	19256	97.32	948.91	293.55	363.33	135.62
83	23344	97.32	810.95	140.95	374.33	124.15
3390	24883	97.32	41.09	17.41	178.51	59.21
434	16327	97.29	230.86	47.89	544.93	157.54
3751	14934	97.27	107.22	10.18	64.11	15.46
3995	21915	97.27	950.07	99.71	563.49	131.44
2866	1531	97.24	484.31	52	1056.99	326.1
3710	16726	97.16	344.09	74.54	793.59	195.63
3075	23872	97.11	254.62	73.06	73.96	154.85
3082	4574	97.08	264.2	83.17	619.9	136.28
4283	25777	97.08	347.17	36.34	686.6	244.17

TABLE 5PP: INDOMETHACIN				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6, 24 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2725	14887	97.98	39.7	10.19	295.44	248.43
1146	3452	97.56	113.34	22.9	31.73	32.78
1839	2961	95.96	93.75	21.84	41.04	20.13
1785	2042	95.41	84.01	6.11	34.19	44.74
415	15884	95.17	195.5	29.21	92.97	61.83
2711	15836	94.98	112.13	18.73	245.29	84.07
2382	18465	94.66	551.62	71.99	274.96	190.83
2749	23855	94.53	318.56	60.23	159.85	69.43
3700	22321	94.5	157.21	58.08	77.02	109.56
618	13332	94.32	86.82	18.8	229.73	83.6
3791	9267	94.18	771.45	326.64	1732.42	484.27
2601	23570	93.95	129.06	9.82	183.05	35.35
1890	16885	93.95	799.59	198.76	1621.44	471.39
579	7906	93.95	61.43	20.59	26.01	14.5
2369	23989	93.95	1646.31	249.73	946.39	363.32
225	6723	93.28	91.03	21.51	192.69	74.03
150	19926	93.02	54.49	4.59	81.98	19.95
1468	15786	92.83	173.8	33.73	309.1	79.66
4120	154	92.7	255.9	32.19	166.18	62.21

3185	2555	92.43	432.56	189.51	125.95	86.01
3567	1221	92.43	640.55	302.2	30.23	114.19
2644	4026	92.35	805.71	279.58	372.2	128.18
2569	11720	92.24	1342.48	321.05	742.2	266.49
953	22770	92.17	354.66	44.24	250.18	113.51
2053	19884	91.95	2267.57	197.03	5274.75	2647.08
2649	10972	91.85	70.43	11.08	130.69	47.35
1646	10270	91.77	52.14	22.31	140.09	63.1
3183	19110	91.69	213.08	39.51	101.78	104.5
3522	15697	91.69	62.5	8.65	38.53	14.72
2654	6532	91.66	254.13	48.32	140.55	43.2
2958	25370	91.66	69.57	14.55	156.8	91.86
1739	6548	91.66	135.96	20.78	77.33	37.88
1190	16821	91.37	746.55	138.47	536.52	147.17
2412	18491	91.29	624.61	129.09	1079.1	289.36
1952	7122	91.26	737.95	142.56	404.1	104.37
1299	22151	91.24	70.89	21.33	168.59	107.83
2593	12463	91.23	598.4	108.58	376.66	73.83
3817	13368	91.07	139.27	27.57	62.55	26.25
1174	3773	91.07	251.34	75.31	67.16	59.88
263	19412	91.05	761.27	170.08	385.98	115.8
4022	23251	91.05	108.25	12.2	158.32	41.92
447	15887	90.91	522.54	139.7	233.16	152.99
2229	21740	90.91	1308.85	280.77	736.05	298.99
3866	16809	90.91	93.42	30.67	29.54	25.52
332	15207	90.86	191.4	61.75	74.45	41.71
1781	2295	90.84	36.37	7.06	69.54	25.22
3941	17634	90.65	399.11	122.21	165.52	71.51
3879	15125	90.6	1063.71	71.59	1651.89	623.73
1708	5695	90.57	170.31	38.37	329.97	129.54
3077	21836	90.55	46.26	5.61	28.18	19.71
2282	5275	90.55	71.43	14.64	30.71	26.47
2664	17664	90.54	684.79	158.37	279.23	160.38
217	6275	90.52	279.74	61.31	615.47	256.24
2060	13364	90.47	192.17	28.8	137.71	38.8
887	12301	90.41	301.26	85.19	137.25	65.84
2331	17358	90.39	960.28	129.76	1568.33	445.19
2574	15582	90.33	2340.09	398.99	5736.61	2867.39
4235	21657	90.33	1127.57	153.2	750.47	293.76
1900	4013	90.31	21.68	2.85	35.7	15.02
2629	16709	90.28	1273.44	110.88	1717.41	371.74
69	11423	90.25	76.8	21.46	33.79	15.78
373	15157	90.23	88.11	10.03	58.01	33.14
3286	24107	90.23	120.6	12.22	85.02	35.09
4084	13520	90.22	283.71	99.61	109.9	86.8
3197	11904	90.2	155.69	29.35	60.13	43.39
172	6226	90.14	62.86	21.39	26.61	22.45
3132	5318	90.12	1323.21	158.36	3106.28	1757.54
2033	8213	90.1	1735.99	218.93	3451.07	1392.82
1670	8809	90.1	49.22	11.1	160.81	93.56
3830	19827	90.07	877.79	131	1856.46	785.41
1335	22619	90.06	614.37	108.48	299.24	114.04
855	2655	90.04	104.17	39.66	287.12	169.55

2024	24592	90.04	146.05	28.55	80.32	78.39
1977	14259	90.02	45.58	9.34	98.74	65.79
1932	9595	90.01	345.94	71.74	179.72	56.98
1970	23187	89.94	204.86	21.75	279.39	52.47
1879	3504	89.93	449.05	77.53	284.63	83.19
1009	23762	89.86	248.17	14.01	194.6	55.26
125	15027	89.85	186.46	29.72	92.26	45.76
464	5384	89.8	121.51	52.73	27.06	61.34
4154	870	89.8	33.66	6.67	20.03	9.87
3380	21109	89.78	46.38	4.56	34.39	11.97
2364	17224	89.72	1608.96	229.99	1116.94	201.64
3454	762	89.72	870	145.71	1608.19	598.82
3085	16080	89.69	162.74	62.96	71.17	143.31
1085	2430	89.64	83.63	27.36	23.61	28.09
2054	11585	89.62	219.08	35.83	368.85	109.07
2051	18744	89.59	108.26	17.72	74.93	35.44
4057	16223	89.56	496.56	77.38	298.81	134.64
3997	17573	89.54	42.84	26.35	169.74	104.7
770	20063	89.51	400.95	44.11	268.23	100.24
2521	14303	89.45	423.75	110.16	235.41	77.97
1460	3260	89.45	337.33	68.65	174.99	85.77
2380	9821	89.4	128.56	18.4	70.89	27.55
2659	21156	89.38	1694.45	253.35	5104.07	2988.91
2349	19427	89.38	1497.71	168.52	3995.1	2472.79
1877	15019	89.37	141.56	32.74	89.22	24.53
1087	2444	89.3	70.37	24.38	167.61	72.74
2614	15107	89.3	954.97	234.78	3953.6	2644.08
3760	17252	89.25	359.12	58.17	686.47	283.78
4119	21488	89.17	48.65	6.76	31.63	20.56
3156	17541	89.14	717.33	403.54	1634.93	638.53
3196	20926	89.14	843.85	68.19	583.84	230.57
469	18582	89.11	338.73	47.29	231.94	72.25
4133	772	89.08	67.35	8.92	36.93	17.84
435	20701	88.97	1467.91	258	880.38	392.7
3441	20114	88.95	62.4	11.56	26.93	26.68
2884	1641	88.36	200.93	33.99	110.21	51.87
4209	23987	88.34	296.73	83.04	169.61	68.69
2320	1572	88.24	112.55	18.42	73.14	32.56
2866	1531	88.16	625.65	149.13	1056.62	326.83
4030	20698	88.12	1446.49	286.91	896.97	447.53
3805	1178	88.1	58.11	5.17	50.19	27.83
378	11827	87.97	70.63	16.03	38.44	17.08
4179	9842	87.89	1130.01	162.74	1605.05	414.46
3021	9223	87.86	150.77	24.16	89.24	43.16
4041	10544	87.68	224.42	25.28	179.63	71.62
3616	15489	87.65	112.91	15.25	76.3	23.7
4137	746	87.63	50.29	9.53	125.54	81.83
4132	2685	87.55	136.57	20.41	91.28	35.36
3718	17805	87.33	1054.14	70.03	1272.09	281.89
4135	738	87.33	36.13	2.63	29.62	8.52
3800	21709	87.25	257.74	20.15	193.3	47.2
3535	354	87.25	144.81	57.59	81.93	152.75
4058	25064	87.25	882.19	57.21	1189.57	357.66

448	15933	87.2	266.44	72.66	160.35	59.82
587	4527	87.2	56.05	12.81	33.42	14.26
3535	353	87.17	137.1	61.51	59.78	123.83
3069	24433	87.15	35.24	12.16	24.32	23.98
3357	5619	87.14	850.97	225.98	428.64	222.2
2855	16610	86.99	218.43	47.05	147.57	75.68
2967	13499	86.93	96.28	26.93	50.74	37.36
3699	10167	86.9	220.12	37.35	139.64	72.6
3816	15269	86.8	287.24	60.09	184.06	53.15
2905	21011	86.67	1194.24	194.08	2366.94	1065.55
2950	4144	86.64	717.92	92.42	508.9	115.6
2848	24797	86.56	95.97	13.67	66.87	59.74
1228	23044	86.53	224.45	41.23	152.81	56.45
4268	25747	86.48	619.67	148.69	425.22	233.87
648	19411	86.45	116.37	55.34	33.59	20.94
2964	1795	86.43	177.52	84.07	534.93	374.52
3133	20354	86.37	196.63	109.23	51.67	58.35
2982	17883	86.19	30.51	4.4	22.39	15.54
3402	23226	86.14	80.45	9.27	56.46	29.88
1928	1841	86.05	184.56	77.88	46.87	51.7
1737	1501	85.97	730.3	133.89	501.17	251.44
3596	6348	85.92	82.4	9.27	53.19	20.52
600	17589	85.91	125.36	57.82	33.16	33.5
3331	12350	85.89	60.45	13.61	30.98	18
3800	21708	85.89	105.85	18.82	62.13	28.38
3746	13164	85.85	839.45	347.66	3807.98	2467.79
3706	10947	85.85	1218.61	123.68	1887.82	948.43
2353	16081	85.78	348.37	129.58	127.54	197.64
4179	9841	85.74	1666.47	153.26	2171.24	563.9
3644	18389	85.73	68.71	18.38	21.63	29.58
56	8768	85.73	38.98	6.62	21.76	12.46
417	15927	85.71	124.29	15.06	76.99	31.66
427	15116	85.62	173.73	63.58	86.11	29.13
648	19410	85.6	135.97	22.17	88.01	30.33
3654	15803	85.55	42.58	3.57	40.9	24.49
2998	17274	85.55	38.69	7.57	58.14	24.75
3544	4504	85.55	69.98	23.19	26.59	81.74
3137	17257	85.49	116.78	48.39	40.66	32.93
4161	25629	85.48	72.13	10.78	50.46	28.23
3695	15759	85.44	323.28	83.9	171.95	93.18
3512	24345	85.4	445.87	62.58	264.39	301.31
604	4531	85.34	46.33	2.84	44.36	14.53
3778	16125	85.33	216.58	76.48	93.26	38.27
3827	25625	85.26	71.68	13.54	34.62	27.17
3258	24596	85.21	91.29	8.08	77.52	44.19
4120	155	85.2	90.57	31.89	41.65	26.57
3853	19942	85.18	207.44	30.19	144.69	54.02
3060	7063	85.18	126.5	27.91	92.67	98.54
1206	16304	85.16	1018.71	176.88	1499.26	506.72

TABLE 5QQ: INDOMETHACIN

Attorney Docket 44921-5038-01-WO

Timepoint(s): 6, 24 hrs				Document No. 1935828.1			
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD	
2725	14887	97.98	39.7	10.19	295.44	248.43	
1146	3452	97.56	113.34	22.9	31.73	32.78	
1839	2961	95.96	93.75	21.84	41.04	20.13	
2711	15836	94.98	112.13	18.73	245.29	84.07	
2749	23855	94.53	318.56	60.23	159.85	69.43	
579	7906	93.95	61.43	20.59	26.01	14.5	
2601	23570	93.95	129.06	9.82	183.05	35.35	
225	6723	93.28	91.03	21.51	192.69	74.03	
150	19926	93.02	54.49	4.59	81.98	19.95	
953	22770	92.17	354.66	44.24	250.18	113.51	
2053	19884	91.95	2267.57	197.03	5274.75	2647.08	
2649	10972	91.85	70.43	11.08	130.69	47.35	
1646	10270	91.77	52.14	22.31	140.09	63.1	
3522	15697	91.69	62.5	8.65	38.53	14.72	
3183	19110	91.69	213.08	39.51	101.78	104.5	
1739	6548	91.66	135.96	20.78	77.33	37.88	
1190	16821	91.37	746.55	138.47	536.52	147.17	
2412	18491	91.29	624.61	129.09	1079.1	289.36	
1174	3773	91.07	251.34	75.31	67.16	59.88	
3817	13368	91.07	139.27	27.57	62.55	26.25	
4022	23251	91.05	108.25	12.2	158.32	41.92	
447	15887	90.91	522.54	139.7	233.16	152.99	
1781	2295	90.84	36.37	7.06	69.54	25.22	
3941	17634	90.65	399.11	122.21	165.52	71.51	
3879	15125	90.6	1063.71	71.59	1651.89	623.73	
1708	5695	90.57	170.31	38.37	329.97	129.54	
2282	5275	90.55	71.43	14.64	30.71	26.47	
3077	21836	90.55	46.26	5.61	28.18	19.71	
217	6275	90.52	279.74	61.31	615.47	256.24	
2060	13364	90.47	192.17	28.8	137.71	38.8	
887	12301	90.41	301.26	85.19	137.25	65.84	
2331	17358	90.39	960.28	129.76	1568.33	445.19	
4235	21657	90.33	1127.57	153.2	750.47	293.76	
2574	15582	90.33	2340.09	398.99	5736.61	2867.39	
1900	4013	90.31	21.68	2.85	35.7	15.02	
2629	16709	90.28	1273.44	110.88	1717.41	371.74	
3286	24107	90.23	120.6	12.22	85.02	35.09	
373	15157	90.23	88.11	10.03	58.01	33.14	
4084	13520	90.22	283.71	99.61	109.9	86.8	
172	6226	90.14	62.86	21.39	26.61	22.45	
3132	5318	90.12	1323.21	158.36	3106.28	1757.54	
1670	8809	90.1	49.22	11.1	160.81	93.56	
2033	8213	90.1	1735.99	218.93	3451.07	1392.82	
3830	19827	90.07	877.79	131	1856.46	785.41	
2024	24592	90.04	146.05	28.55	80.32	78.39	
1977	14259	90.02	45.58	9.34	98.74	65.79	
1970	23187	89.94	204.86	21.75	279.39	52.47	
1879	3504	89.93	449.05	77.53	284.63	83.19	
1009	23762	89.86	248.17	14.01	194.6	55.26	
125	15027	89.85	186.46	29.72	92.26	45.76	

4154	870	89.8	33.66	6.67	20.03	9.87
464	5384	89.8	121.51	52.73	27.06	61.34
3380	21109	89.78	46.38	4.56	34.39	11.97
3454	762	89.72	870	145.71	1608.19	598.82
2364	17224	89.72	1608.96	229.99	1116.94	201.64
1085	2430	89.64	83.63	27.36	23.61	28.09
2054	11585	89.62	219.08	35.83	368.85	109.07
2051	18744	89.59	108.26	17.72	74.93	35.44
4057	16223	89.56	496.56	77.38	298.81	134.64
3997	17573	89.54	42.84	26.35	169.74	104.7
770	20063	89.51	400.95	44.11	268.23	100.24
1460	3260	89.45	337.33	68.65	174.99	85.77
2521	14303	89.45	423.75	110.16	235.41	77.97
2380	9821	89.4	128.56	18.4	70.89	27.55
2349	19427	89.38	1497.71	168.52	3995.1	2472.79
2659	21156	89.38	1694.45	253.35	5104.07	2988.91
1877	15019	89.37	141.56	32.74	89.22	24.53
2614	15107	89.3	954.97	234.78	3953.6	2644.08
1087	2444	89.3	70.37	24.38	167.61	72.74
3760	17252	89.25	359.12	58.17	686.47	283.78
2524	3019	89.25	49.4	8.74	98.81	53.07
2773	14827	89.19	27.88	18.95	99.2	80.08
4119	21488	89.17	48.65	6.76	31.63	20.56
3156	17541	89.14	717.33	403.54	1634.93	638.53
2190	8742	89.14	114.3	11.18	157	32.42
3196	20926	89.14	843.85	68.19	583.84	230.57
469	18582	89.11	338.73	47.29	231.94	72.25
2174	14501	89.08	98.17	24.64	41.39	23.48
4133	772	89.08	67.35	8.92	36.93	17.84
2605	17240	89.06	1680.12	312.27	3692.46	1526.02
2718	15467	89.03	119.2	25.28	57.7	30.94
1858	16915	88.98	2018.28	372.08	5655.81	3069.92
3441	20114	88.95	62.4	11.56	26.93	26.68
1195	3079	88.89	228.17	113.62	145.73	53.56
2226	11505	88.79	50.65	8.39	84.51	33.82
1659	10332	88.74	250.87	99.23	54.41	87.77
988	12928	88.69	625.58	77.18	508.88	130.67
2285	6189	88.58	1200.49	559.83	3938.18	2204.98
1093	2492	88.58	244.05	41.12	137.16	56.34
3959	19384	88.53	1393.65	171.83	2640.02	1354.54
2570	15955	88.5	70.98	38.82	194.95	94.7
1469	15904	88.5	261.46	56.83	145.22	52.79
1455	2058	88.5	185.96	48.22	90.47	46.63
1403	16783	88.44	137.29	51.69	28.88	39.91
175	6231	88.42	97.45	12.75	72.46	49.66
2884	1641	88.36	200.93	33.99	110.21	51.87
3102	18637	88.34	1244.1	201.94	2019.76	623.78
4209	23987	88.34	296.73	83.04	169.61	68.69
3671	13706	88.29	236.65	41.59	397.79	132.61
2557	22542	88.29	1553.85	328.45	3415.72	1418.29
2866	1531	88.16	625.65	149.13	1056.62	326.83
4030	20698	88.12	1446.49	286.91	896.97	447.53
3805	1178	88.1	58.11	5.17	50.19	27.83

378	11827	87.97	70.63	16.03	38.44	17.08
4179	9842	87.89	1130.01	162.74	1605.05	414.46
4041	10544	87.68	224.42	25.28	179.63	71.62
3616	15489	87.65	112.91	15.25	76.3	23.7
4137	746	87.63	50.29	9.53	125.54	81.83
4132	2685	87.55	136.57	20.41	91.28	35.36
3718	17805	87.33	1054.14	70.03	1272.09	281.89
4135	738	87.33	36.13	2.63	29.62	8.52
4058	25064	87.25	882.19	57.21	1189.57	357.66
448	15933	87.2	266.44	72.66	160.35	59.82
587	4527	87.2	56.05	12.81	33.42	14.26
3535	353	87.17	137.1	61.51	59.78	123.83
3069	24433	87.15	35.24	12.16	24.32	23.98
3357	5619	87.14	850.97	225.98	428.64	222.2
2855	16610	86.99	218.43	47.05	147.57	75.68
2967	13499	86.93	96.28	26.93	50.74	37.36
3699	10167	86.9	220.12	37.35	139.64	72.6
3816	15269	86.8	287.24	60.09	184.06	53.15
2905	21011	86.67	1194.24	194.08	2366.94	1065.55
2950	4144	86.64	717.92	92.42	508.9	115.6
2848	24797	86.56	95.97	13.67	66.87	59.74
1228	23044	86.53	224.45	41.23	152.81	56.45
4268	25747	86.48	619.67	148.69	425.22	233.87
648	19411	86.45	116.37	55.34	33.59	20.94
2982	17883	86.19	30.51	4.4	22.39	15.54
3402	23226	86.14	80.45	9.27	56.46	29.88
1928	1841	86.05	184.56	77.88	46.87	51.7
1737	1501	85.97	730.3	133.89	501.17	251.44
3596	6348	85.92	82.4	9.27	53.19	20.52
600	17589	85.91	125.36	57.82	33.16	33.5
3331	12350	85.89	60.45	13.61	30.98	18
3800	21708	85.89	105.85	18.82	62.13	28.38
3746	13164	85.85	839.45	347.66	3807.98	2467.79
3706	10947	85.85	1218.61	123.68	1887.82	948.43
4179	9841	85.74	1666.47	153.26	2171.24	563.9
56	8768	85.73	38.98	6.62	21.76	12.46
417	15927	85.71	124.29	15.06	76.99	31.66
427	15116	85.62	173.73	63.58	86.11	29.13
3654	15803	85.55	42.58	3.57	40.9	24.49
2998	17274	85.55	38.69	7.57	58.14	24.75
3137	17257	85.49	116.78	48.39	40.66	32.93
4161	25629	85.48	72.13	10.78	50.46	28.23
3695	15759	85.44	323.28	83.9	171.95	93.18
3512	24345	85.4	445.87	62.58	264.39	301.31
604	4531	85.34	46.33	2.84	44.36	14.53
3827	25625	85.26	71.68	13.54	34.62	27.17
3258	24596	85.21	91.29	8.08	77.52	44.19
4120	155	85.2	90.57	31.89	41.65	26.57
3853	19942	85.18	207.44	30.19	144.69	54.02
3060	7063	85.18	126.5	27.91	92.67	98.54
1206	16304	85.16	1018.71	176.88	1499.26	506.72
3561	21039	85.08	99.44	21.32	239.59	180.51
3486	9541	85.08	124.15	44.41	72.06	109.95

3482	8597	85.07	144.07	20.56	102.84	33.19
394	21707	85.07	152.81	70.83	40.76	52.2
3473	8212	85.02	1243.19	145.66	1984.57	731.41
3379	17908	84.89	121.64	35.63	72.53	116.7
456	15558	84.86	403.8	67.32	309.7	117.24
3491	21076	84.84	50.29	5.48	40.21	16.58
3382	15259	84.83	173.67	39.01	101.51	55.77
4045	17995	84.78	1096.43	199.3	1700.15	651.94
2999	20464	84.78	1368.16	149.82	1782.69	560.41
144	10623	84.71	558.28	150.08	1106.36	503.43
4149	912	84.71	444.45	52.53	353.86	126.43
3643	4011	84.65	1065.84	236.96	1821.55	680.32
4047	14347	84.63	1231.25	156.22	1744.22	515.78
3639	20449	84.59	80.01	96.05	40.6	104.34
3245	24897	84.57	20.87	8.46	44.28	16.55
29	18327	84.56	101.34	33.54	44.4	26.98
3212	25676	84.54	152.77	32.89	96.72	43.31
576	11203	84.53	86.52	27.79	42.24	17.81
3105	16221	84.49	87.05	12.61	62.94	28
384	14353	84.43	57.65	12.97	37.24	21.71
4196	19584	84.38	189.94	25.96	115.26	48.7

TABLE 5RR: MENADIONE

Attorney Docket 44921-5038-01-WO

Timepoint(s): 24 hrs

Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2399	24300	100	180.7	1.42	81.24	31.93
2757	22176	99.95	345.1	2.61	103.62	68.4
723	4857	99.92	1124.49	17.98	397.4	136.61
1612	8113	99.87	274.66	1.69	116.11	56.32
2400	2052	99.87	399.44	5.83	169.68	80.64
2425	17892	99.79	777.73	1.58	363.38	178.48
4025	16345	99.79	365.41	3.4	622.3	140.2
1800	3320	99.79	198.56	3.3	86.72	40.45
2448	19063	99.79	62.36	2.22	168.67	45.16
2122	2218	99.76	180.19	7.9	70.57	36.23
746	4954	99.74	1004.71	23.67	393.18	188.65
2959	25371	99.68	130.65	2.54	55.32	42.87
680	4107	99.68	298.93	0.97	217.52	179.13
2253	2487	99.66	138.35	10.62	54.31	34
223	10988	99.6	58.32	0.09	25.73	47.89
1445	12793	99.58	61.18	0.52	33.62	19.37
2309	6287	99.58	180.95	7.54	72.6	30.98
1715	17673	99.52	172.71	6.62	69.05	41.3
2044	15102	99.5	801.52	26.16	310.86	146.28
1147	3057	99.5	187.93	4.35	63.41	41.88
426	22781	99.44	243.94	24.29	94.07	54.57
3638	12996	99.44	567.38	16.39	315.41	136.2
3703	8384	99.42	92.43	2.97	39.63	62.09
2398	21890	99.42	239.85	0.72	153.66	69.42

3637	9370	99.42	313.43	2.69	484.73	95.6
3453	18216	99.39	102.58	3.92	46.23	18.46
1750	22269	99.39	230.35	11.37	108.07	56.95
1669	12243	99.39	90.42	3.71	31.08	26.91
2064	5057	99.36	153.21	9.38	55.93	25.98
2534	22379	99.34	152.12	22.08	472.67	216.47
2136	11888	99.34	183.54	0.4	141.1	61.23
2335	26270	99.31	89.86	5.02	37.12	18.67
2790	14850	99.31	75.79	2.11	28.96	17.68
1722	13426	99.31	969.36	18.48	530.79	178.2
1606	8627	99.29	56.5	0.46	32.96	26.91
1727	5021	99.29	327.22	10.83	169.74	69.46
2426	13746	99.29	338.35	13.85	161.48	69.34
955	22772	99.29	49	0.35	29.56	18.97
3758	11092	99.26	170.21	1.97	89.15	40.73
3640	25058	99.26	151	3.2	78.96	42.21
1759	10968	99.23	228.83	23.87	61.43	43.27
4205	575	99.23	1693.34	21.47	904.1	309.05
3830	18628	99.21	1376.06	3.06	1448.93	396.72
1910	12909	99.18	206.44	7.94	102.99	53.06
2504	9171	99.18	290.11	13.27	137.68	50.98
2162	22105	99.15	41.53	7.54	140.33	42.86
1040	26094	99.15	179.5	1.8	110.38	45.08
2017	7253	99.13	114.1	11.91	303.81	94.98
1933	8985	99.1	188.58	11.73	78.27	34.45
1754	10944	99.1	81.25	2.35	29.8	30.52
1814	17234	99.1	297.76	5.93	175.57	56.71
2650	14167	99.1	245.59	4.55	134.58	47.68
2352	15533	99.07	57.35	2.03	20.17	15.47
711	6483	99.05	86.28	8.31	235.53	77.52
1277	22126	99.05	103.32	1.53	57.42	34.03
1163	24095	99.05	158.52	0.73	97.45	50.15
2600	3917	99.02	539.14	111.2	1585.96	509.75
1909	19219	99.02	161.89	3.18	89.18	33.68
1413	12758	99.02	112.57	1.96	54.84	29.87
3789	22919	99.02	84.95	0.74	127.53	28.77
2296	5459	99.02	187.12	13.03	77.83	29.88
183	11864	98.99	87.87	1.12	53.58	23.34
2505	15551	98.97	502.29	15.59	326.86	67.26
2486	1480	98.94	168.57	3.09	289.43	79.13
2493	13899	98.94	175.39	2.06	88.48	41.54
1411	19638	98.94	152.8	6.89	74.91	30.99
3571	9594	98.91	141.58	3.82	75.16	28.64
1531	19617	98.89	115.72	2.08	66.82	37.34
1768	11942	98.89	108.48	6.32	45.54	24.33
1568	9924	98.89	72.93	1.5	30.66	22.48
127	16889	98.86	238.23	30.65	89.64	46.92
3158	25336	98.86	71.92	4.47	24.7	21.75
360	6413	98.86	138.24	14.78	41.08	23.49
827	23005	98.84	187.07	4.93	124.6	86.4
2109	16005	98.84	209.58	19.7	405.59	82.34
2315	3968	98.84	224.25	8.94	135.49	34.69
2069	11686	98.84	145.27	14.08	53.72	25.93

1588	5809	98.84	96.47	5.51	37.37	25.82
1961	5104	98.84	146.92	1.4	107.12	22.23
2458	19721	98.81	155.67	16.31	58.09	29.35
2015	5716	98.81	151.3	29.59	53.6	26.97
2439	6721	98.81	102.73	3.41	45.8	40.16
3681	18074	98.81	58.73	1.15	36.04	21.86
3676	19048	98.81	77.48	4.49	29.33	19.7
682	12195	98.81	219.37	15.01	91.54	50.11
2511	23730	98.81	54.65	3.6	20.55	13.23
3203	2667	98.81	1093.39	5.84	807.76	200.92
3855	26264	98.81	103.62	3.61	52.25	20.48
1322	6831	98.81	106.87	4.12	52.64	25.28
335	15283	98.78	324.91	28.52	644.4	206.73
3266	24719	98.78	77.87	8.19	25.79	17.05
180	4245	98.78	444.89	17.75	738.82	176.68
2007	15323	98.78	112.84	4.99	55.76	21.92
2376	12568	98.76	54.18	1.46	28.95	12.83
2350	22961	98.76	186	7.09	87.97	39.09
1671	18	98.76	43.78	4.28	123.08	50.04
1547	5386	98.76	133.04	9.98	53.62	30.72
1106	2620	98.76	121.92	3.56	61.81	26.5
3200	18078	98.73	85.57	2.12	46.74	79.49
1560	9893	98.73	112.11	5.22	52.88	23.1
1642	8392	98.73	119.19	4.5	45.14	36.36
620	17691	98.49	46.9	0.87	88.97	36.83
482	2753	98.44	187.88	62.1	46.2	30.04
3683	13186	98.36	190.58	20.37	77.58	34.13
3683	13185	98.31	82.07	8.15	25.31	61.41
2971	1791	98.25	124.5	1.11	86.65	34.18
3648	16164	98.25	434.63	14.09	690.45	284.97
4180	22006	98.25	233.67	1.69	307.53	76.47
3708	15601	98.23	134.48	28.23	312.04	81.88
3703	8386	98.2	275.88	19.69	134.61	48.34
1246	20236	98.17	321.29	36.05	148.72	74.7
2887	930	98.17	54.8	1.79	27.5	15.12
3254	25546	98.17	73.78	5.1	29.07	36.17
2986	20630	98.12	766.18	94.79	290.26	309.79
3201	730	97.99	69.78	1.88	46.4	36.74
2961	854	97.94	78.06	13.18	31.44	15.32
3316	17561	97.91	489.69	9.58	260.53	144.84
4265	23302	97.88	48.41	0.81	36.69	21.3
2859	1396	97.86	56.95	0.38	59.24	18.79
3062	15677	97.86	414.97	14.78	242.94	121.91
4196	19584	97.86	143.08	1.24	115.57	48.91
2848	24797	97.83	159	11.7	66.86	59.57
437	16495	97.83	555.16	2.06	557.12	151.84
3034	20207	97.8	99.04	8.55	46.68	30.91
3311	18967	97.8	466.22	142.66	211.17	144.3
2808	19795	97.8	69.08	6.96	27.98	35.54
3563	24800	97.75	303.14	24.72	139.49	67.47
3268	11150	97.75	365.35	16.97	178.11	93.05
1218	25160	97.72	135.14	26.25	39.22	24.76
3869	24655	97.72	43.21	0.31	46.07	17.29

3902	16109	97.7	245.38	9.16	384.71	89.62
484	18489	97.62	208.66	41.58	28.75	107.44
2986	20625	97.56	1714.38	529.76	562.44	838.87
3771	21866	97.56	360.7	51.01	178.2	78.58
1201	25124	97.54	106.21	8.07	55.95	34.29
3989	14965	97.49	939.38	178.14	297.07	183.06
4218	492	97.49	270.17	34.15	144.71	121.53
4111	25590	97.46	117.46	1.89	86.36	27.95
4163	25083	97.46	82.53	25.15	28.46	17.43
2986	18480	97.43	279.58	24.9	121.42	311.09
2324	3076	97.43	89.72	6.6	43.93	22.57
4222	20308	97.43	105.38	8.98	52.63	19.99
3398	235	97.38	293.23	32.9	167.56	83.88
458	15629	97.38	105.54	3.57	59.2	26.08
4142	25607	97.35	676.08	193.65	100.14	122.28
3531	8269	97.33	1916.49	158.27	694.71	446.74
75	20811	97.33	1242.64	13.59	1728.83	500.77
34	17577	97.3	178.08	43.2	72.01	28.61
4069	1471	97.3	59.06	1.78	39.02	24.94
3594	11849	97.3	482.84	30.95	747.58	165.43
3357	5617	97.27	332.47	159.93	58.28	53.76
3797	20842	97.27	255.41	5.44	356.38	71.7
3167	24857	97.25	64.93	7.44	22.78	16.34
3428	19679	97.19	228.54	6.58	390.62	141.2
3003	1476	97.17	311.29	15.95	568.82	199.4
2987	25399	97.11	371.57	43.31	153.04	220.19
4175	25647	97.09	370.11	42.77	149.61	254.75
3546	15779	97.06	74.86	3.07	38.89	29.89
3186	956	97.06	286	1.91	301.35	128.58
3038	1138	97.04	80.18	6.18	44.59	21.83
4123	433	97.04	127.19	26.85	46.07	33.51
4200	18541	97.04	752.26	22.27	1078.37	225.89
4115	317	97.01	103.78	16.88	43.86	20.51
3357	5619	97.01	1308.07	344.3	429.25	221.19
2986	20626	96.96	475.22	107.28	161.8	327.05
2753	15850	96.96	1101.56	6.17	1238.77	299.76
392	19726	96.9	163.15	32.19	80.07	34.17
3607	16847	96.88	528.06	9.04	717.9	171.75
3966	2643	96.85	92.03	7.9	50.89	20.77
4234	25717	96.82	62.16	10.78	23.07	65.37
3184	5034	96.8	485.96	15.25	751.36	202.34
4275	25756	96.8	251.81	25.85	104.29	54.32
3553	23489	96.77	71.41	7.41	26.47	28.57
4278	18031	96.77	143.03	11.31	86.12	30.26
4266	447	96.74	68.82	14.92	29.43	12.37
3138	721	96.72	65.8	15.25	28.58	13.82
4193	25671	96.72	113.37	8.71	55.13	194.9
3039	997	96.69	49.38	15.13	22.19	16.2
2800	16514	96.66	205.29	1.93	255.69	51.92
671	3928	96.64	90.11	3.15	54.81	22.12
4189	25662	96.64	186.81	6.23	111	211.64
2860	9029	96.61	196.39	23.26	379.98	189.45
3585	690	96.61	93.5	34.45	33.01	15.99

3665	9428	96.59	23.12	11.7	66.01	19.69
4213	517	96.59	183.96	35.09	91.48	88.44
4150	990	96.66	73.35	5.22	34.56	26.65

TABLE 5SS: MENADIONE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 3, 6 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2693	21874	98.09	714.16	66.32	274.46	146.04
3637	9370	97.9	299.4	23.36	485.34	95.13
2683	14923	97.8	150.34	11.7	308.85	347.67
3563	24800	97.69	412.34	114.62	138.45	64.78
891	12306	97.42	2705.16	426	1139	519.81
2757	22176	97.32	293.28	49.84	103.1	67.85
2458	19721	96.92	128.44	17.6	57.91	29.23
3627	18376	96.87	502.67	58.09	273.27	109.5
4276	25759	96.87	204.94	50.78	52.81	44.87
3436	17885	96.84	95.34	15.92	204.96	60.6
240	17614	96.63	341.7	46.67	185.32	53
1370	15679	96.6	253.35	15.46	162.28	66.86
504	7050	96.49	71.17	6.78	40.17	13.37
3355	16227	96.42	237	37.94	124.19	64.63
806	5251	96.39	417.43	27.99	228.66	91.78
2460	21237	96.34	167.92	22.14	86.15	33.71
3975	24672	96.23	65.83	9.07	35.55	22.26
824	9942	96.23	233.47	10.64	362.24	98.81
3801	11830	96.18	1301.73	219.19	622.18	253.4
55	18346	96.15	58.25	12.71	145.88	48.88
2559	12366	96.12	161.51	16.54	95.74	35.27
141	6308	96.02	309.42	29.51	190.29	59.01
2684	15004	95.96	386.66	37.11	238.42	157.67
2212	8609	95.91	211.52	25.1	123.49	35.89
901	402	95.91	2132.63	244.34	1202.48	414.73
683	4607	95.86	179.2	36.88	92.68	37.18
2306	13581	95.83	121.37	17.67	55.1	24.94
1511	6192	95.7	275.52	45.68	556.08	182.48
860	23527	95.67	153.5	20.81	74.11	40.86
2064	5057	95.41	113.91	15.63	55.81	25.98
156	6003	95.38	143.34	13.51	80.22	37.48
1869	21922	95.35	82.79	18.78	204.47	78.8
1335	22619	95.33	539.43	55.17	299.6	115.07
3037	1223	95.3	291.14	60.02	137.03	80.84
1927	6555	95.25	153.82	16.88	253.91	68.51
2670	16960	95.19	77.51	10.08	36.63	21.24
2027	6479	95.14	1532.11	75.58	1041.33	394.73
2206	15191	95.09	3244.47	431.72	1212.21	1328.34
1898	15291	95.06	110.82	9.78	70.41	39.05
1705	11057	95.03	121.35	13.49	55.43	40.56
3167	24857	94.95	64.47	16.43	22.65	16.16
4019	23682	94.93	431.37	47.84	245.85	101.59
4222	20308	94.93	93.81	10.91	52.52	19.92

3205	16683	94.85	118.83	10.61	76.13	35.43
1530	7860	94.85	76.57	12.22	31.9	25.93
2399	24300	94.82	142.98	17.44	81.11	31.92
2315	3968	94.74	199.42	18	135.32	34.63
670	22783	94.66	291.56	31	165.28	123.49
3676	19048	94.61	69.79	12.44	29.21	19.6
11	18289	94.58	567.01	40.2	373.03	125.1
1468	15786	94.53	167.7	27.33	309.13	79.62
1064	2329	94.53	408.53	39.92	217.64	99.54
2394	11631	94.5	318.94	82.68	141.5	76.24
4275	25756	94.45	233.48	36.77	103.91	53.94
853	13027	94.45	85.08	8.75	176.1	57.93
3902	16109	94.42	238.15	26.31	385.19	89.34
3253	6598	94.42	381.42	57.54	182.73	84.32
2606	13377	94.32	1409.07	68.91	954.34	331.58
3452	20450	94.32	130.43	20.38	72.2	28.95
2918	12974	94.29	194.88	13.16	125.27	46.52
435	20701	94.29	1366.85	185.45	880.87	393.54
1331	6845	94.24	49.02	4.89	28.18	12.7
1357	4213	94.18	4824.8	285.81	4465.41	3881.05
3254	25546	94.18	68.9	13.48	28.95	36.15
4201	21152	94.16	3844.33	233.83	3592.61	2481.52
2754	17455	94.11	280.41	34.66	166.29	67.91
2668	26313	94.03	116.84	15.3	66.02	35.42
3279	15776	94.03	311.51	42.17	189.48	82.54
470	21917	94.03	152.94	42.24	74.85	65.82
2928	174	93.92	101.38	15.55	43.2	32.8
1811	19011	93.92	431.83	92.84	288.68	89.28
462	11889	93.87	37.05	3.38	21.77	10.49
2235	19309	93.87	38.24	26.96	91.59	25.39
2777	18267	93.87	346.69	66.22	126.28	106.4
4040	6274	93.84	180.9	14.7	116.03	97.86
1226	19012	93.84	683.46	84.05	439.74	165.4
1863	3259	93.84	83.94	51.68	243.18	76.39
3983	16401	93.81	5672.7	575.16	5366.36	5007.6
775	10666	93.79	377.1	36.21	570.86	119.56
1917	9575	93.79	257.18	44.54	447.09	109.46
2526	22791	93.79	232.74	44.91	139.38	64.05
1118	2918	93.76	631.79	59.62	435.55	137.55
1058	18648	93.71	65.41	7.43	36.53	22.03
3873	26267	93.71	93.67	9.33	52.82	27.89
2493	13899	93.6	168.37	20.52	88.23	41.36
2298	4073	93.57	95.92	16.77	251.33	144.2
1534	5263	93.55	254.49	36.09	450.62	127.69
1782	3537	93.49	256.62	33.83	439.6	116.24
686	22981	93.49	312.93	27.91	194.98	67.66
991	23674	93.44	53.43	7.81	23.63	17.57
4212	1959	93.41	3101.5	192.27	2981.8	1820.95
1430	1409	93.39	228.7	40.31	411.79	113.62
350	17334	93.39	311.96	66.11	176.67	86.64
1099	2566	93.39	31.36	105.72	381.53	176.99
2939	25325	93.36	1467.89	200.42	1624.58	1181.83
131	6304	93.31	66.67	6.46	41.92	20.93

3126	22294	93.31	193.25	20.42	118.16	45.67
1971	5993	93.31	51.64	10.75	20.65	16.29
3423	26349	93.28	209.41	29.13	128.94	54.75
1177	23770	93.23	89.1	4.24	68.39	20.13
4036	16963	93.12	5068.31	328.3	4286.61	3539.05
3982	15190	93.12	4411.01	697.88	1828.63	1710.94
3959	17109	93.04	5187.13	462.26	4958.81	4398.12
3170	16274	92.91	4458.67	382.12	4093.23	2903.72
558	3474	92.91	197.48	25.38	320.95	79.31
4229	1719	92.86	166.34	25.52	101.77	50.65
2965	395	92.78	43.75	5.33	25.65	15.97
3020	25439	92.78	2727.77	250.49	2576.25	1802.37
3038	25446	92.64	79.85	7.24	52.3	30.47
3118	139	92.59	68.42	12.24	41.15	21.48
3708	15601	92.35	190.48	28.78	312.34	81.87
3397	889	92.35	85.09	7.78	57.34	25.47
4088	111	92.27	3538.16	264.43	3155.92	2039.91
4183	818	92.22	3600.31	311.77	3418.63	2161.05
443	14285	92.19	35.68	4.14	22.69	9.38
4133	772	92.19	109.12	32.56	36.73	17.13
2882	24799	91.95	695.67	144.08	304.68	123.71
2332	14983	91.9	3883.71	639.42	4036.95	3467.99
4287	20426	91.85	116.75	17.78	74	29.74
3148	835	91.82	35.43	3.63	23.05	10.24
3468	23178	91.66	78.23	8.46	119.12	28.82
3378	16449	91.58	27.12	66.25	331.78	189.63
4233	17176	91.56	1338.78	95.82	1492.98	635.4
2980	17472	91.4	2846.34	209.95	2570.69	1603.04
3577	20410	91.39	90.58	22.39	39.72	27.34
2833	23220	91.32	116.06	8.35	84.65	30.26
3517	24283	91.32	107.56	13.44	58.02	37.66
4260	1877	91.32	426.48	64.69	697.44	185.8
3895	8641	91.24	426.91	77.47	221.09	143.78
2986	20626	91.18	303.4	46.77	161.63	327.67
4143	25608	91.15	74.76	27.7	26.37	16.94
3477	4212	91.13	4734.12	342.94	4062.27	2677.39
3038	1138	91.08	71.76	10.45	44.52	21.82
528	2106	91.05	125.59	16.64	60.79	50.43
3449	20276	91.05	68.17	6.77	51.22	26.71
3294	2970	91	3099.91	165.88	2296.06	1092.69
4030	20698	90.97	1661.6	250.1	895.94	446.11
2937	1264	90.89	5058.59	557.91	4271.77	3343.11
3563	24798	90.89	1216.71	246.68	568.13	194.03
3739	25431	90.87	39.42	7.5	22	17.89
3258	24596	90.76	81.05	2.77	77.57	44.21
3864	17653	90.75	150.35	42.3	60.9	28.22
3531	8266	90.73	3791.28	322.85	3553.27	2252.62
3357	5617	90.73	225.83	118.28	57.92	53.41
412	17111	90.73	5089.37	584.38	4309.49	3705.27
1211	24414	90.63	196.56	13.11	145.18	45.31
3354	24785	90.57	108.69	14.28	66.37	28.11
3170	16275	90.52	3703.22	398.86	3434.4	2264.74
496	13686	90.51	79.06	10.34	43.77	17.21

1857	20833	90.41	522.74	92.1	784.7	162.71
3361	24362	90.41	3157.46	382.51	2972.18	1816.13
426	22781	90.39	144.78	16.92	94.07	54.87
451	15421	90.39	386.8	25.15	521.95	110.65
3177	6109	90.39	3892.59	421.76	3587.94	2271.51
2955	109	90.36	4267.74	420.11	3932.08	2218.07
4113	1340	90.36	74.4	9.59	52.89	25.2
2882	25805	90.33	101.74	19.82	50.95	18.88
3172	7897	90.31	3855.77	393.93	3453.76	2131.21
845	1682	90.3	84.93	16.27	45.13	21.22
3652	24219	90.25	593.76	96.63	379.86	188.74
4182	819	90.23	3042.17	168.2	2545.71	1186.25
4142	25607	90.2	419.03	157.7	99.54	122.38
3447	20249	90.2	46.76	7.26	24.84	21.04
4205	575	90.2	1737.56	370.42	901.37	304.79
4221	21123	90.18	640.81	49.15	947.96	279.54
3477	25681	90.15	4723.2	312.96	3800.99	2398.13
3448	20266	90.12	196.98	21.62	135.98	68.99
589	4590	90.04	22.67	9.97	51.5	26.92

TABLE 5TT: PHENOBARBITAL				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 48 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
168	12160	99.57	14509.4	1799.95	1049.44	854.7
2851	20384	99.36	2701.88	410.3	150.03	155.21
1140	16619	99.36	713.25	246.34	40.9	32.13
2981	25055	99.28	5929.63	1086.36	212.08	345
2942	12158	99.23	5925.29	1167.93	202.62	343.02
2919	12155	99.12	6862.7	1252.04	598.29	481.88
2988	25056	99.12	7387.16	1370.12	900.36	532.06
2935	12156	99.07	8591.53	2032.53	458.65	609.76
3250	18989	99.02	4513.32	609.96	1461.71	655.12
2936	12157	99.02	9007.72	1942.89	530.8	757.11
2989	24860	98.57	2059.71	459.96	381.67	242.66
3156	17541	98.51	4033.99	520.97	1617.79	616.82
3322	20914	98.49	2651.89	1037.07	223.6	247.17
3221	1794	98.33	8380.61	2185.02	2140.54	1183.97
3310	21903	98.27	3643.76	729.8	1515.09	462.39
3221	1793	98.19	4171.77	1131.42	1144.07	573.64
2421	15879	98.11	611.47	118.46	310.74	80.78
1094	2486	97.93	1195.54	262.49	515.34	157.1
3221	1797	97.77	6145.42	1635.04	1773.22	976.28
2964	1795	97.69	2239.55	703.59	524.16	350.78
4030	21904	97.37	8156.77	1552.69	2978.72	1550.8
1128	23930	97.32	236.88	60.38	53.1	44.14
2991	25400	97.16	4568.93	802.12	1658.37	916.05
3472	20915	97.05	1964.9	773.41	527.84	347.82
3849	17091	96.76	116	23.06	44.55	42.17
205	11988	96.6	139.95	37.51	56.28	26.63
3268	11153	96.28	260.25	46.26	634.11	201.28

4045	17995	96.2	3547.7	563.59	1687.45	638.23
2905	21011	96.09	5332.75	1152.88	2345.58	1043.63
3268	11152	95.75	98.68	23.39	334.96	142.03
3251	21015	95.7	5743.81	998.6	2912.28	1030.16
2646	21260	95.27	299.99	54.47	128.19	78.98
3879	15124	95.09	2406.47	353.59	1345.49	441.15
3634	25525	94.93	2250.03	464.69	1343.7	361.41
3268	11150	94.87	44.26	13.71	179.12	93
3634	634	94.85	2521.56	315.16	1528.26	416.14
98	12064	94.82	1068.73	193.68	606.32	195.57
2338	16703	94.82	1966.01	255.17	1165.03	381.58
3879	15125	94.79	3096.02	530.42	1641.41	615.12
3251	21013	94.74	5830.6	1551.69	2598.03	1193.02
3454	762	94.69	3038.68	633.54	1597.05	590.38
690	18588	94.66	403.75	65.1	236.31	97.4
3268	11151	94.55	221.98	55.37	509.67	187.01
313	22979	94.1	446.42	46.16	302.55	95.45
3322	20913	93.94	2688.59	2126.02	259.45	260.34
2862	1354	93.94	372.7	54.99	261.62	222.06
3791	9267	93.89	2683.56	267.74	1722.77	484.01
322	23243	93.86	3388.07	493.94	1787.33	778.25
2520	20845	93.81	437.39	59.24	243.05	112.85
3879	15127	93.38	1092.94	112.75	691.3	326.58
2950	4144	93.3	388.45	17.06	510.54	116.34
2388	12556	93.19	471.8	169.24	58.76	95.77
2540	19271	93.15	134.66	35.71	273.31	93.74
1532	7882	93.07	225.07	29.35	81.78	75.73
3954	4312	92.98	521.06	266.69	61.32	146.18
2570	15955	92.88	330.93	30.29	193.64	94.59
3634	635	92.88	2600.97	345.87	1568.77	481.76
3435	20090	92.83	63.15	7.18	109.83	42.39
1283	24112	92.64	2163.88	366.35	1244.91	607.68
72	12060	92.53	50.55	8.73	91.31	25.79
1771	17705	92.45	82.18	9.37	131.44	38.83
2964	1796	92.37	882.48	338.68	235.11	173.14
1534	5263	92.35	654.46	52.63	448.6	127.54
936	18939	92	673.45	204.98	202.49	117.42
2067	5968	91.87	1151.84	215.84	708.98	247.14
403	15166	91.84	415.88	22.37	588.85	137.61
3044	4198	91.68	745.2	83.97	1092.52	231.77
2442	6633	91.6	758.67	172.56	1250.77	331.5
1992	18473	91.52	942.15	242.01	433.28	208.17
300	8872	91.49	998.09	281.52	491.49	237.66
3659	14957	91.42	77.29	6.42	126.62	46.79
3364	1174	91.29	4791.97	713.92	2379.14	1388.64
2060	13364	91.23	47.42	35.62	138.45	38.39
3931	20707	91.23	1399.02	196.5	601.99	294.44
4242	25725	91.17	270.08	56.84	142.09	63.02
2404	16801	91.15	99.62	9.88	141.59	35.86
1282	4103	91.12	382.3	55.98	198.23	68.92
2116	6524	90.97	546.51	29.95	699.53	141.78
1079	2393	90.91	157.72	41.9	287.6	85.55
3327	3254	90.89	237.54	7.36	257.04	90.92

3473	8212	90.83	3112.17	354.67	1975.03	728.36
2624	5794	90.78	70.25	12.28	123.81	38.5
3314	17740	90.78	4008.33	523.88	2188.6	950.26
3653	5497	90.7	427.99	58.95	643.48	188.3
2368	9032	90.7	823.09	122.31	603.96	158.27
1863	3259	90.67	360.08	39.26	241.8	76.74
2580	3143	90.6	249.63	20.08	355.57	95.49
3561	21039	90.59	720.51	176.04	236.37	176.95
517	19319	90.54	65.92	11.77	121.34	49.96
3141	23445	90.52	78.1	28.93	236.42	130.77
3801	11830	90.46	377.42	38.91	626.73	257.51
2667	16781	90.44	482.82	105.22	328.26	126.29
903	4185	90.25	6527.56	558.8	4083.35	2982.46
2764	14811	90.22	106.7	34.71	41.76	24.4
2390	7460	90.14	13903.64	1196.71	8321.17	5716.29
3634	25069	90.06	663.79	261.49	202.92	247.01
2814	17082	90.04	52.62	6.86	89.47	33.8
310	17766	89.98	689	57.06	487.27	93.09
4047	11755	89.96	2478.27	379.82	1553.49	581.96
1285	16701	89.82	3456.85	244.83	2268.68	714.6
3125	20889	89.8	84.13	16.75	156.56	73.91
903	4186	89.77	5001.5	445.22	3629.64	2066.56
3634	18990	89.77	75.49	27.67	25.51	57.32
3572	15187	89.64	63.15	9.02	108.66	43.44
3046	1430	89.58	223.43	38.49	90.18	69.26
3561	21038	89.5	733.73	177.68	291.84	201.15
3599	1175	89.23	1449.5	271.46	626.21	343.54
3128	18730	89.16	5379.25	576.87	2887.14	1605.69
405	26034	89.16	132.89	28.5	52.95	59.9
3564	1853	89.11	5250.77	501.98	2960.48	1633.18
3240	21078	89.08	461.93	70.94	739.71	214.88
3879	5493	89.08	73.21	10.75	54.29	64.32
3653	5496	89.05	317.11	55.78	493.63	155.54
2798	25883	89	3428.03	299.6	2243.39	1051.58
3583	16564	88.92	122.78	23.49	216.29	84.95
3106	17148	88.87	6457.02	555.69	3821.55	2484.2
4230	25705	88.84	562.23	37.31	744.38	198.88
2955	109	88.68	6218.69	454.19	3921.54	2212.43
3718	17805	88.68	1809.45	190.99	1268.19	279.33
3672	20404	88.66	91.37	24.29	205.76	111.45
3263	14534	88.63	8788.22	991.68	4577.37	3851.67
4264	1603	88.62	707.02	82.71	459.07	120.8
3531	8266	88.58	5623.63	609.92	3543.41	2247.9
3223	23709	88.58	75.1	10.72	178.06	250.82
4170	1602	88.55	629.19	74.59	465.64	108.93
3346	20849	88.52	90.37	10.03	138.46	47.97
3106	17147	88.47	5523.31	565.78	3199.37	1951.71
3391	17507	88.42	302.34	20.96	428.45	115.23
3723	18640	88.23	115.7	10.2	159.23	38.33
639	13088	88.12	1836.55	198.73	1272.65	440.08
3959	17109	88.1	9993.09	1565.35	4933.15	4382.67
339	23069	88.02	21.58	2.62	33.26	11.81
3170	16274	87.96	6083.51	623.66	4084.4	2900.74

3113	7101	87.94	2763.75	445.77	1901.67	637.97
3849	17092	87.88	126.68	17.28	80.55	46.53
3720	18899	87.86	30.42	4.35	45.83	13.43
3294	2969	87.75	3421.75	431.08	2127.84	1026.48
3588	20899	87.73	46.49	3.88	69.46	24.5
3217	26047	87.69	178.16	55.21	69.79	72.09
403	15165	87.57	80.94	12.71	124.84	34.8
118	22025	87.51	4570.37	649.96	2688.89	1734.91

TABLE 5UU: TACRINE Attorney Docket 44921-5038-01-WO
Timepoint(s): 6 hrs Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
3083	20744	98.81	992.11	49.01	346.88	302.63
3574	17050	98.28	379.56	51.02	189.11	45.94
3817	13369	98.2	313.84	29.32	166.05	41.94
263	19412	98.04	632.66	26.83	387.12	118.38
3800	21709	97.85	308.7	21.56	193.31	46.99
3057	22513	97.67	714.42	622.68	36.75	791.9
3644	18389	97.67	108.22	18.24	21.62	29.4
1358	6919	97.67	1115.56	206.3	342.91	293.47
3492	21063	97.54	146.26	45.53	45.87	22.56
4063	8210	97.51	439.87	119.86	126.05	86.09
182	6060	97.48	320.41	14.26	497.63	113.5
1305	12704	97.48	3225.2	738.25	1537.63	371.36
44	19472	97.46	953.71	72.93	581.75	129.12
463	6079	97.35	108.49	8.34	60.79	91.63
637	21980	97.32	1002	119.49	504.82	160.92
2111	21209	97.27	374.82	146.99	83.28	83.82
891	12306	97.22	2938.32	781.9	1141.7	521.75
3110	24427	97.16	173.63	19.02	108.43	25.14
3238	20728	97.11	422.01	24.13	263.13	83.97
2312	13166	97.06	303.12	88.37	85.31	66.01
2519	633	97.03	856.71	47	1338.05	288.02
1236	16762	97.01	97.61	6.27	59.29	86.96
1410	24200	96.95	1448.31	479.01	437.64	246.76
3492	21062	96.85	100.66	28.74	24.9	77.86
1286	344	96.82	2969.83	492.02	1274.65	554.2
178	6236	96.74	252.53	70.23	951.24	409.13
3516	23606	96.71	989.3	166.6	405.17	222.93
947	22729	96.66	319.68	12.19	182.4	79.86
456	15558	96.42	589.95	181.9	309.41	116.18
753	5003	96.4	382.44	32.14	215.43	84.35
1489	7451	96.4	1978.62	261.09	1138.59	308.49
3057	22514	96.34	132.27	49.43	53.14	79.41
600	17590	96.34	223.78	43.2	106.05	46.42
2445	19513	96.32	307.72	108.08	161.95	46.53
3877	17709	96.29	137.32	33.21	37.84	42.27
776	5110	96.16	586.14	94.86	322.81	112.64
3045	1991	96.13	57.8	9.91	26.22	15.81
477	21952	96.1	90.92	14.32	48.78	17.41

3595	24508	96.08	211.47	23.6	112.86	47.28
3370	20435	95.95	64.16	9.79	27.19	14.33
173	8360	95.92	176.06	5.07	239.49	62.03
1121	2939	95.87	54.55	26.97	208.22	81.78
161	3709	95.87	38.94	2.34	77.47	35.91
801	23464	95.81	704.11	117.59	418.74	110.44
1281	12438	95.79	249.67	19.56	138.33	68.02
3414	18715	95.79	358.3	40.15	196.07	76.37
952	18383	95.71	1135.08	127.59	750.34	166.53
697	2559	95.71	186.95	25.32	104.46	38.27
3153	373	95.63	227.24	32.46	474.41	165.43
2999	20464	95.6	1095.35	43.55	1782.54	559.52
2236	5579	95.57	257.01	69.72	137.63	47.93
1020	24152	95.52	67	1.64	89.87	38.21
4145	1286	95.5	183.35	27.33	112.79	27.95
992	5111	95.39	532.21	128.55	235.59	135.31
648	19410	95.31	172.82	39.04	88.02	30.15
532	13420	95.28	654.46	191.67	378.53	98.34
3964	7166	95.23	47.54	94.21	80.42	49.57
1285	16701	95.15	1261.86	136.13	2277.64	717.12
4267	25742	95.12	80.09	17.45	39.46	20.84
1196	3082	95.07	451.48	96.44	259.74	94.84
1095	2514	94.99	1247.26	322.15	547.73	284.03
1167	16533	94.97	800.73	179.26	445.22	130.9
935	6720	94.89	227.94	50.85	31.13	97.8
2230	2557	94.86	68.59	16.34	35.61	16.81
404	22927	94.86	64.14	13.24	27.73	17.99
254	12102	94.73	368.23	93.97	147.04	96.66
2357	12516	94.67	1348.53	187.49	879.19	195.66
713	12210	94.62	674.98	80.19	318.58	179.59
3268	11152	94.59	646.99	94.91	332.88	141.9
2194	22011	94.59	132.87	21.89	76.56	26.13
2178	23519	94.57	133.17	22.15	77.81	22.23
4165	16398	94.57	839.75	91.42	527.5	137.55
2968	20	94.57	625.39	97.54	346.48	136.85
3812	24204	94.54	111.5	14.67	71.97	20.1
397	22396	94.49	162.13	27.53	98.98	28.64
4231	1141	94.38	256.36	14	177.05	56.18
1202	1382	94.38	40.43	1.43	37.92	15.32
2338	16703	94.36	585.83	91.17	1170.81	384.69
1101	2569	94.36	251.91	137.3	909.5	288.88
3681	18074	94.17	60.23	9.31	36.02	21.85
435	20701	94.14	1440.72	250.45	881.7	393.51
1066	5936	94.04	68.8	6.84	23.21	31.36
779	5131	94.04	435.41	42.67	257.14	90.74
322	23243	93.93	629.83	152.9	1798.88	784.27
4013	19150	93.93	83.76	13.27	43.56	23.05
3771	21866	93.93	289.08	32.27	178.19	78.76
1426	2242	93.91	4309.63	662.67	2425.76	879.85
2204	6138	93.88	384.76	68.99	227.9	68.41
4176	1084	93.83	49.31	6.12	26.71	14.04
3801	18795	93.8	945.93	140.98	540.82	204.52
2187	5876	93.77	1505.45	97.31	1081.12	389.77

282	21341	93.72	498.39	73.45	857.6	303.48
1100	2568	93.67	53.46	11.11	141.53	90.79
126	11166	93.67	272.39	59.51	521.55	148.22
4030	20598	93.67	1371.7	196.62	898.34	448.29
1292	410	93.64	63.01	24.82	186.91	90.68
1432	11197	93.61	189.18	7.01	243.96	56.06
3118	139	93.53	70.22	10.9	41.21	21.5
2911	4407	93.51	205.71	11.21	143.9	57.78
4149	912	93.51	501.96	42.56	353.9	126.25
51	17062	93.51	220.93	46.01	114.24	47.55
3894	24459	93.4	323.38	55.67	214.05	77.63
585	4523	93.4	132.26	28.17	63.06	32.11
511	22314	93.35	241.61	39.08	142.54	49.87
673	6377	93.27	101.92	8.93	185.61	119.92
3834	15002	93.24	189.83	11.9	141.14	75.67
3143	960	93.22	124.24	17.18	215.73	65.87
2844	5050	93.22	72.57	7.85	48.14	27.95
4239	13646	93.22	964.35	46.75	747.74	197.55
4047	14347	93.16	1160.18	54.48	1743.32	515.67
2896	4349	93.11	59.4	9.99	24.3	17.83
3169	16708	93	615.93	125.51	446.83	94.51
3551	767	92.93	46.98	3.61	27.41	16.65
3256	24862	92.69	306.27	47.3	200.09	58.42
3410	24066	92.66	53.9	7.05	32.6	11.99
3522	15697	92.63	65.64	9.7	38.58	14.74
3686	14953	92.53	522.37	37.45	387.26	80.08
2954	25366	92.4	934.17	30.04	891.92	402.32
3717	25611	92.37	59.69	3.26	42.72	24.51
3196	23543	92.34	868.93	81.11	586.14	160.83
108	5257	92.34	101.39	22.95	55.82	22.48
1430	1409	92.34	227.42	52.02	411.4	113.81
3724	20793	92.32	158.96	13.55	109.13	30.81
2963	43	92.26	671.9	74.72	434.54	131.34
3872	17433	92.26	260.91	27.83	184.07	54.65
3060	7063	92.24	172.23	64.75	92.62	98.35
4103	9520	92.24	148.15	23.51	90.31	30.29
3539	17517	92.18	493.07	62.8	334.21	99.78
4196	19584	92.16	210.98	33.57	115.36	48.67
4	4438	92.13	67.98	14.64	38.23	21.03
2796	24205	92.1	160.74	14.55	106.87	34.36
430	17303	92	53.51	13.3	32.64	13.33
4279	25768	92	210.11	36.07	128.94	42.27
3269	18452	91.97	398.19	128.98	1065.41	457.59
2826	799	91.89	121.66	18.13	258.08	183.73
4186	1700	91.89	147.49	26.83	84.26	44.22
3386	20735	91.89	307.34	83.55	189.6	132.43
3357	5617	91.76	142.38	41.03	58.49	54.93
3496	20935	91.76	295.32	22.28	230.21	42.1
652	4554	91.73	125.4	23.34	77.21	40.15
442	15339	91.65	148.59	6.71	124.41	34.48
3800	21708	91.6	107.48	20.06	62.22	28.43
4001	16444	91.49	152.52	7.28	123.3	50.18
3687	14184	91.49	364.58	74.74	196.86	110.06

4245	515	91.49	72.75	9.3	47.46	20.74
655	17896	91.47	59.18	8.94	112.37	41.42
438	4339	91.44	201.72	28.66	140.82	39.42
2539	13092	91.44	68.66	27.49	220.65	123.7
2878	2744	91.39	287.61	31.87	207.79	84.44

TABLE 5VV: THIOACETAMIDE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 48 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
371	14124	99.79	223.08	59.2	53.68	61.55
139	2109	99.63	1619.05	210.49	778.74	242.65
3893	14125	99.63	381.23	45.35	92.39	43.16
1679	8874	99.6	224.86	97.45	33.97	93.98
3934	19456	99.52	1200.19	444.2	21.37	125.37
3352	455	99.52	186.68	14.66	47.96	27.58
3619	21624	99.5	2877.58	335.23	1282.27	459.03
3618	15185	99.5	596.13	178.6	59.09	95.37
2636	13023	99.5	309	130.18	39.97	81
3961	16457	99.47	442.4	55.93	167.91	77.21
323	4048	99.47	2162.51	746.07	45.11	215.49
3893	14126	99.44	312.13	48.4	29.67	55.07
629	17752	99.42	126.59	30.6	472.83	141.01
2308	4097	99.39	215.08	51.33	36.55	22.16
696	4095	99.39	281.42	62.64	42.25	34.21
3412	574	99.34	660.26	309.17	92.67	161.05
2661	2765	99.34	208.05	51	37.64	22.38
2274	6315	99.26	324.55	55.22	132.38	56.1
3563	24801	99.26	193.45	17.56	452.28	147.75
3060	7062	99.26	543.91	144.13	101.79	101.06
1908	4049	99.23	2728.23	747.06	123.73	219.88
927	23035	99.2	101.47	35.31	622.41	217.01
917	12314	99.2	649.3	116.43	2170.56	673.35
1944	24803	99.18	326.7	95.17	969.69	348.24
1678	22684	99.15	960.68	137.46	484.73	210.89
3289	15365	99.15	1904.78	267.2	708.21	344.39
3611	19040	99.15	400.52	120	39.62	55.7
3090	4452	99.12	348.56	58.03	1108.26	347.16
3545	20770	99.12	380.46	97.32	76.47	65.15
3	2417	99.1	647.6	74.27	322.88	83.01
768	23173	99.1	953.61	280.91	166.15	107.37
825	6039	99.1	554.77	44.43	192.65	68.77
3919	19316	99.07	246.39	87.84	44.8	34.8
2782	14840	99.07	263.13	48.08	72.01	37.06
1297	4261	99.05	539.73	93.73	1139.77	209.3
1279	4098	99.05	299.73	51.77	73.32	36.79
1518	23273	99.02	259.98	14.58	143.2	45.11
3387	10015	99.02	441.54	77.33	137.73	48.57
3700	22321	99.02	964.01	336.32	74.11	93.51
3506	20509	98.99	52.18	4.89	23.71	9.44
3750	14929	98.99	728.2	332.36	119.63	77.78

3097	20589	98.99	235.16	102.85	24.59	23.52
915	22606	98.97	833.91	162.07	2170.39	530.99
3891	15409	98.94	174.22	30.55	601.57	285.07
1846	2069	98.94	1001.6	187.55	447.79	87.33
3173	7197	98.94	110.59	43.53	24.68	16.08
3117	24707	98.94	276.06	80.2	1264.31	453.06
1030	24040	98.91	1743.78	421.28	566.13	220.67
660	3895	98.91	184.27	68.54	26.71	21.25
3745	5175	98.91	396.37	195.53	39.48	59.89
3838	20869	98.91	429.55	147.84	59.06	43.02
657	23731	98.89	293.68	76.54	131.71	49.58
3152	20587	98.89	437.57	91.43	1017.45	250.54
4116	17480	98.89	201.94	48.87	68.06	33.02
3195	25279	98.89	573.02	130.36	190.9	85.32
1089	2459	98.89	313.18	236.24	26.33	38.53
189	4491	98.86	564.41	157.03	150.36	57.65
2159	2895	98.86	342.24	50.81	125.44	42.79
3176	18119	98.86	455.08	59.43	177.72	55.14
3317	15012	98.83	229.04	47.87	81.9	58.92
2078	16170	98.83	203.83	59.37	58.96	37.71
791	17514	98.83	119.01	46.34	531.29	139.51
3076	19407	98.83	1209.07	117	598.87	154.22
940	13482	98.81	39.09	14.34	170.17	62.14
4076	1460	98.81	1298.65	187.76	282.3	147.04
1744	16813	98.78	102.95	10.12	251.19	65.04
3060	7063	98.78	609.22	144.29	90.91	92.99
3387	10016	98.78	362.99	69.1	91.49	46.31
915	22607	98.75	249.94	79.92	930.14	237.47
1404	21796	98.75	499.17	133.07	103.3	52.38
3584	6911	98.75	53.72	13.01	234.4	74.16
1847	13317	98.73	132.99	14.51	47.48	31.71
892	22519	98.73	633.78	111.34	1691.16	425.52
3225	16650	98.73	178.76	37.85	58.5	56.41
4228	10109	98.73	1783.26	105.67	1044.79	219.56
2263	13539	98.7	356.7	51.77	177.05	42.91
2880	1414	98.7	184.02	39.55	41.08	20.94
1340	15258	98.67	985.59	328.35	252.54	133.47
3195	3404	98.67	404.16	91.71	126.3	40
3838	20868	98.67	284.65	99.4	41.25	32.69
3490	12606	98.65	185.44	52.02	742.26	237.79
1732	17680	98.65	1261.07	189.79	410.62	168.29
447	15888	98.62	436.93	112.38	165.89	140.02
2665	17537	98.62	199.87	28.29	105.68	37.07
1776	5421	98.62	573.42	153.2	200.26	71.05
2176	7262	98.62	1756.3	308.46	565.61	225.13
1614	3090	98.62	289.95	28.26	141.16	39.16
3090	4451	98.59	61.8	27.16	268.23	98.07
890	2893	98.59	976.57	164.37	420.18	100.83
2503	23013	98.59	557.16	88.62	230.95	68.99
3575	21802	98.59	84.27	11.53	26.95	15.08
1456	16584	98.57	184.55	107.55	22.86	38.52
737	20771	98.57	201.07	22.61	361.5	72.1
3463	11455	98.57	195.57	56.2	46.02	53.11

1897	23596	98.57	443.56	133.71	1325.62	359.5
303	4490	98.57	1056.88	347.95	303.22	131.76
2599	2896	98.57	182.71	21.98	67.2	30.68
547	18165	98.54	58.8	14.89	21.53	10.38
1526	7825	98.54	254.05	33.99	111.16	42.78
3174	16581	98.51	79.68	21.93	25.33	14.43
4082	14121	98.49	574.45	62.25	217.5	100.17
2885	238	98.46	297.6	41.62	140.29	46.6
621	19745	98.46	137.4	17.02	50.67	21.56
3345	16148	98.44	433.4	97.61	1038.95	379.87
588	12118	98.44	1855.09	531.03	263.73	163.1
3136	18068	98.41	124.18	30.54	42.01	13.89
4001	16444	98.38	304.39	74.75	122.7	48.82
2828	20082	98.38	241.26	86.08	39.87	42.8
3584	6912	98.36	50.84	14.35	193.82	64.3
3231	1258	98.36	189.8	37.24	48.72	29.59
4286	3831	98.36	125.11	29.46	34.11	24.01
2857	2005	98.25	80.77	17.62	20.25	12.86
545	22903	98.2	229.99	38.61	114.18	35.46
2924	1514	98.17	178.75	53.8	53.28	21.7
2933	293	98.17	49.95	18.77	236.23	84.48
2975	1427	98.17	81.09	15.86	28.02	18.51
3060	7064	98.17	1227.38	220.54	331.9	194.28
491	17255	98.17	57.63	8.67	25.94	11.03
4118	1478	98.14	107.42	31.18	424.29	118.44
487	9091	98.12	92.08	20.19	23.48	18.72
3317	17502	98.09	279.3	80.84	82.71	49
814	17157	98.09	93.99	30.18	23.15	16.29
3804	20243	98.09	141.12	18.84	64.38	21.5
3258	24596	98.09	240.62	75.28	76.98	42.84
1203	926	98.06	121.88	35.15	36	21.77
3399	3775	98.06	154.21	46.43	69.04	27
3735	2577	98.04	165.3	12.28	78.03	31.39
3178	20755	98.04	368.9	158.2	54.73	60.37
3287	10503	97.98	214.07	71.53	581.16	127.62
3064	7427	97.98	156.76	45.44	32.3	29.89
411	13974	97.98	832.49	311.33	226.92	122.72
4118	1479	97.98	73.5	22.42	297.09	94.57
1737	1501	97.96	1643.15	550.04	498.03	240.13
3648	16164	97.96	1010.45	60.66	688.86	284.77
3287	10504	97.96	365.02	93.93	954.97	259.72
3023	17145	97.9	416.32	142.66	1095.63	285.54
32	20843	97.9	223.81	11.93	116.14	46.18
4211	20872	97.88	1365.47	196.04	762.45	261.25
1202	1382	97.85	105.2	22.24	37.68	14.71
3476	3900	97.85	198.53	77.61	50.2	28.06
4268	25747	97.85	1821.76	709.75	420.97	214.57
3685	4314	97.8	165.23	42.68	455.99	117.03
3679	24811	97.77	300.09	158.01	1508.75	452.88
3463	11454	97.77	310.32	74.93	109.38	56.59
4112	25591	97.77	93.41	26.33	29.71	16.8
7	16950	97.75	127.28	13.45	50.76	28.32
3582	15700	97.72	111.11	52.17	449.78	122.69

2925	17284	97.72	59.67	19.41	184.78	54.49
3316	17562	97.72	1006.01	174.28	350.43	170.31
4074	21981	97.72	493.33	102.15	1017.07	222.52
3031	457	97.69	367.87	54.5	163.1	64.56
785	22843	97.69	732	64.09	404.62	116.6
3476	162	97.69	191.46	76.86	53.78	29.44
961	1809	97.67	677.84	457.09	133.38	741.34
3285	24886	97.64	1945.91	243.11	1194.71	293.98
3881	23309	97.64	123.27	27.22	44.34	20.28
3589	17727	97.64	66.47	21.69	26.14	9.81

TABLE 5WW: THIOACETAMIDE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
1434	14033	99.21	657.5	45.17	340.83	96.71
3864	17653	99.21	184.86	14.68	61.06	28.41
3223	23711	98.94	725.5	141.34	182.48	278.34
1578	5697	98.94	408.44	41.69	154.97	66.96
1540	7913	98.89	430.86	36.33	165.15	71.3
3557	19992	98.86	1063.44	29.45	622.08	218.35
496	13686	98.86	131.19	18.26	43.75	16.88
713	12210	98.76	1207.31	226.89	317.64	175.58
901	402	98.76	2738.68	219.57	1203.66	413.33
1155	3302	98.73	555.73	33.15	260.67	89.07
1358	6919	98.73	2443.06	403.63	340.51	279.53
2541	17172	98.7	318.24	16.8	204.88	39.61
970	23478	98.7	85.85	3.84	37.64	20.59
227	6295	98.65	3057.72	331.89	1088.56	429.31
3054	1410	98.65	146.5	8.13	27.22	42.13
197	22175	98.6	327.26	59.09	77.47	55.13
1661	8715	98.6	4062.32	342.15	1559.9	641.28
1994	2060	98.6	137.82	6.76	62.58	24.74
761	4067	98.54	282.16	15.48	176.71	122.38
3083	20744	98.52	1548.32	105.8	346.04	299.28
963	23750	98.49	97.94	3.2	47.02	28.62
3557	19994	98.44	302.28	18.1	164.03	76.03
4164	957	98.38	157.56	4.21	95.44	47.14
2588	20350	98.33	403.71	17.74	236.11	65.24
1261	11728	98.33	712.9	33.05	194.94	226.91
2175	22906	98.33	2347.54	257.33	558.52	418.61
1658	18322	98.31	376.94	26.51	121.96	187.04
2094	17529	98.2	143.91	0.7	136.78	40.63
1132	3152	98.17	184.67	64.82	47.09	27.21
3625	18597	98.17	337.73	10.53	605.84	200.75
3444	24321	98.15	484.02	15.29	801.22	261.81
4287	20426	98.12	125.32	3.41	74.1	29.77
3556	22282	98.07	54.4	1.69	94.36	29.71
3879	5493	98.04	104.11	5.25	54.28	64.2
1022	5989	98.04	337	12.1	208.51	64.75
4205	575	98.04	1778.97	102.98	903.5	308.08

2883	1921	97.99	623.54	39.08	214.75	167.5
1296	2193	97.93	87.12	5.48	42.51	29.58
1042	23541	97.91	226.55	16.9	84.28	68.97
3314	17740	97.88	2637.74	34.48	2197.29	958.37
3653	5496	97.88	887.74	51.96	491.86	154.79
1603	18172	97.85	185.36	57.51	43.84	39.4
1160	3346	97.83	63.47	3.27	28.75	28.16
2815	25934	97.8	67.64	2.96	38.72	17.94
1394	13920	97.8	109.15	3.09	67.33	23.82
2267	7975	97.75	563.04	49.8	364.99	71.85
3704	10176	97.64	310.81	6.2	441.18	99
1280	949	97.62	307.72	40.89	110.91	58.36
3516	23606	97.62	1111.88	158.29	405.22	222.56
3099	172	97.59	81.43	10.88	28.49	22.11
4204	173	97.48	272.67	14.77	111.97	80.97
964	19143	97.48	835.62	74.9	457.19	141.76
2173	2261	97.46	96.06	15.71	32.65	21.47
3424	18727	97.46	1451.99	42.38	762.41	382.24
1084	24166	97.46	496.34	5.85	374.73	102.01
4121	18301	97.46	466.85	88.21	147.28	93.63
299	3925	97.46	457.08	9.64	817.58	303.37
2313	2825	97.43	77.42	2.35	43.84	32.85
4121	18302	97.43	721.15	177.54	145.87	135.6
1000	17844	97.4	271.49	9.18	182.97	93.69
146	6698	97.38	74.93	3.59	48.72	14.81
336	21856	97.35	21.23	6.23	92.03	48.03
230	6297	97.35	388.09	52.22	215.96	59.88
1361	6927	97.33	707.5	66.6	399.23	121.27
3458	10369	97.3	307.41	25.82	175.12	59.36
3800	21708	97.27	118.43	4.79	62.22	28.41
1046	5952	97.25	303.32	45.57	106.72	106.58
698	4674	97.25	127.41	50.69	550.43	207.09
1860	1440	97.25	87.43	3.87	49.47	21.5
3050	25467	97.25	573.12	11.17	366.83	173.81
4086	347	97.17	43.49	1.63	25.09	15.28
1179	3526	97.17	103.07	7.02	170.13	45.01
983	23268	97.17	148.43	4.87	231.59	65.24
4075	25066	97.14	281.73	16.19	158.83	65.39
3809	23305	97.14	188.34	17.21	91.84	45.85
3719	15267	97.14	80.97	7.26	38.37	16.47
3084	16025	97.11	111.36	15.79	49.55	25.83
1272	13009	97.06	236.49	40.71	118.74	45.99
1518	23273	97.06	236.23	21.37	143.44	45.43
2756	18303	97.06	3010.9	700.83	843.77	661.03
2186	21467	97.06	2398.88	33.26	1604.12	770.42
3929	16769	97.03	225.38	8.31	125.56	62.1
3214	13282	97.03	303.53	3.16	224.72	78.2
3127	24722	97.01	507.33	27.79	823.73	217.06
2184	3114	96.98	96.51	5.93	57.04	28.69
2210	13678	96.98	82	5.95	34.39	23.32
1094	2486	96.98	322.56	8.42	519.36	165.18
2860	9029	96.9	261.18	4.55	379.94	189.57
1344	15644	96.88	2072.1	206.07	1368.64	388.7

1598	10053	96.88	119.32	25.76	37.53	29.92
4260	1877	96.85	390.68	29.09	696.8	186.01
995	23272	96.85	568.08	34.76	356.77	89.85
4015	9775	96.82	415.24	84.96	129.82	108.28
1270	4063	96.82	317.93	43.41	80.5	101.28
1545	7961	96.77	48.48	3.88	22.74	14.19
3267	20649	96.77	2616.76	245.94	1501.89	429.3
2025	18343	96.77	274.86	3.44	226.41	52.47
883	5138	96.77	82.11	3.48	135.56	52.22
1101	2569	96.77	443.32	42.77	908.74	290.05
4209	25087	96.74	234.24	17.89	98.66	75.52
1370	15679	96.74	332.61	37.51	162.36	66.6
2937	1264	96.72	4840.33	136.28	4274.31	3339.21
3984	23166	96.72	248.02	7.48	176.15	68.62
4201	21152	96.72	4311.6	122.74	3592.28	2478.11
3145	21729	96.69	838.77	17.53	645.24	336.16
3098	6055	96.66	1582.19	101.2	1088.08	232.03
624	1552	96.58	872.01	28.99	584.3	214.07
4217	1899	96.53	141.52	13.79	52.94	36.07
3608	19161	96.48	1286.6	11.72	1370.55	354.22
3084	16024	96.48	166.11	17.66	94.98	31.82
3863	15642	96.45	510.86	31.54	376.27	160.6
3653	5497	96.4	1004.23	60.06	641.58	187.94
3942	10660	96.37	48.34	3.3	31.03	16.56
3978	25475	96.37	800.05	64.81	437.68	160.96
3357	5619	96.27	908.34	71.01	429.63	223.18
4284	1146	96.24	40.39	5.42	21.23	14.04
3879	5492	96.21	90.7	14.68	36.26	63.06
4003	17549	96.19	642.18	5.22	656.62	147.71
2853	179	96.13	293.05	58.05	144.24	47.56
2824	2434	96.13	50.76	2.45	30.43	12.92
67	20998	96.11	1137.43	12	1247.1	337.46
3778	16125	96.08	33.41	7.15	93.97	39.37
1241	20741	96.05	64.24	8.85	22.08	30.26
2927	1869	96.05	1449.62	19.15	1265.87	351.34
3697	15840	95.92	77.13	17.71	33.84	16.01
4142	25607	95.92	440.87	149.91	100.34	123.47
394	21707	95.87	89.47	11.87	41.19	52.85
4044	20784	95.87	338.56	5.45	391.6	143.84
341	24161	95.79	286.36	15.21	460.38	124.58
3062	15677	95.76	455.72	78.28	242.76	121.7
4146	1439	95.71	188.19	5.6	133.71	39.78
2844	5050	95.66	66.35	2.92	48.16	27.96
3651	1920	95.66	880.51	88.13	441.38	270.77
3651	1919	95.55	552.79	73.16	244.58	184.3
3691	15864	95.55	89.92	5.91	160.96	51.32
536	14595	95.5	180.94	34.32	67.91	82.77
3169	16708	95.47	662.98	64.31	446.82	94.5
3982	15190	95.39	4150.22	342.24	1836.02	1715.16
2211	22823	95.39	322.64	7.29	426.99	112.39
3257	3202	95.31	353.34	33.1	231.77	103.74
3253	6598	95.29	342.94	23.52	183.34	85.07
21	18290	95.29	49.85	11.27	21.26	21.72

49	11314	95.29	166.31	22.46	98.91	30.76
3963	17337	95.21	48.66	2.17	38.01	65.95
2818	14606	95.21	54.87	2.01	41.73	19.48
2803	5545	95.18	1594.11	22.96	1489.58	574.68
3599	15202	95.15	412.68	16.83	656.22	555.07
3446	23782	95.07	131.48	1.6	123.95	33.42
3616	15489	95.07	53.9	1.48	76.52	23.8
4226	18611	95.07	843.72	26.72	1142.02	541.84
554	18209	95.05	109.88	3.95	68.77	36.1
3746	13164	94.99	4041.66	216.73	3793.34	2473.05
416	17742	94.97	2070.82	62.01	2010.62	694.86
2206	15191	94.94	3269.16	461.53	1217.54	1330.78
1990	5232	94.92	139.31	8.96	254.75	89.75
3733	25529	94.89	49.13	8.01	21.73	13.23
3677	12052	94.84	334.46	24.61	211.24	89.04
3241	15613	94.81	503.45	47.38	1181.78	811.56
3617	17379	94.81	276.94	40.14	118.12	70.96
4164	958	94.81	453.27	39.94	299.45	137.37
23	17613	94.78	387.9	14.41	306.86	126.56
3885	8592	94.78	264.37	9.68	376.87	132.8
3531	8269	94.73	1731.24	296.01	694.46	446.84
3006	25430	94.73	853.41	25.21	619.73	179.59
521	22862	94.73	166.89	67.9	454.93	165.51
4230	25705	94.7	582.13	11.24	743.76	198.88
4263	11260	94.7	166.95	11.81	96.22	39.99
3103	9424	94.68	1294.97	49.61	1013.46	383.65

TABLE 5XX: VALPROATE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 96 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
3058	23698	98.01	864.57	65.18	356.84	407.18
3270	18958	96.87	569.08	66.29	324.63	126.12
3958	17758	96.05	669.19	104.13	362.17	375.48
4192	20715	94.69	946.4	153.83	382.07	430.47
738	20711	94.67	402.29	88.77	134.67	205.03
2063	12698	94.62	163.34	13.48	76.21	235.64
1886	18742	94.48	550.44	80.52	344.76	188.73
2325	5887	94.46	164.28	47.66	68.45	138.61
2487	14450	94.38	188.2	15.06	102.8	51.9
3168	16721	94.27	408.48	63.51	259.65	73.63
1554	5465	94.22	1185.16	117.95	776.33	205.36
3587	21094	94.14	511.07	89.17	232.22	144.38
914	22604	93.98	1957.85	349.17	1027.72	469.57
2770	14937	93.74	195.36	28.59	119.35	36.98
3102	18637	93.66	1062.08	136.08	2019.61	623.11
3929	16768	93.61	708.87	45.34	494.16	162.55
349	12829	93.37	535.03	45.99	379.35	90.31
499	17289	93.34	223.5	29.48	124.16	77.25
3335	26109	93.32	478.76	128.18	146.1	264.1
3946	19613	93.24	2484.11	155.65	1860.71	485.38

1673	24372	93.21	220.5	21.54	140.4	43.76
2725	14887	93.16	101.8	8.43	294.94	248.64
3335	18687	93.08	1073.99	196.89	660.51	590.16
358	14191	93.08	116.01	14.38	68.03	26.34
2840	18686	93.05	1263.89	201.14	706.02	613.73
233	19433	92.79	231.66	53.54	107.01	119.22
347	6345	92.76	351.14	46.93	230.34	62.46
2996	25412	92.73	29.28	7.08	68.98	31.68
1949	9192	92.6	808.14	104.63	1627.81	666.43
2137	2140	92.57	163.54	17.96	92.56	59.3
749	18780	92.44	87.19	4.42	62.98	25.42
2682	5316	92.36	140.52	56.6	342.33	116.25
1162	3362	92.15	39.32	11.72	91.85	36.85
2724	12964	92.12	388.64	33.77	236.19	94.18
3101	18636	92.07	1077.28	301.99	2662.77	1037.67
3146	17992	92.07	144.02	35.41	77.48	53.64
2520	20846	91.99	1508.64	204.46	2740.07	862.43
3957	15637	91.99	112.28	17.02	74.85	25.76
3909	21842	91.96	724.51	39.31	562.74	295.62
3177	6107	91.94	141.47	25.19	92.73	56.32
220	10157	91.86	914.83	66.38	644.19	210.59
3929	16767	91.86	866.2	77.34	604.77	198.12
3295	17107	91.83	1219.63	250.98	2469.03	845.35
297	21773	91.75	120.06	7.34	91.08	45.87
2300	6502	91.75	551.97	21.82	459.49	122.37
1267	15849	91.59	278.55	37.16	181.8	121.4
685	4196	91.59	148.41	21.26	86.16	93.88
3092	25204	91.51	815.06	116.69	529.94	172.12
2731	1689	91.49	1533.21	844.23	4872.17	2250.97
1683	9767	91.46	20.12	1.96	34.7	21.52
88	16420	91.43	702.05	35.62	557.06	113.3
982	12407	91.38	92.94	8.53	33.14	62.02
1175	24094	91.33	1161.19	95.45	893.26	165.34
1774	2220	91.3	21.85	16.64	93.24	44.49
2557	22542	91.22	1210.34	316.06	3415.02	1417.06
556	13647	91.22	1285.75	86.85	1021.37	339.25
3936	4956	91.17	145.82	8.43	128.28	73.69
4125	368	91.17	52.04	9.44	29.77	33.47
2659	21156	91.17	1398.49	277.03	5101.55	2988.09
1345	3534	91.14	115.08	4.62	147.25	58.63
1491	7502	91.11	572.44	169.15	292.86	183.92
2916	18638	91.03	1417.12	287.44	2730.97	848.83
1222	19649	91.03	124.41	12	84.3	25.26
1911	4914	91.03	710.48	74.36	479.7	151.09
494	17256	90.98	758.5	41.74	533.6	181.14
375	15172	90.95	130.63	57.41	355.29	216.33
3775	9307	90.93	1856.33	421.49	6268.95	3322.8
934	2671	90.88	166.52	17.03	116.46	44.16
4105	1949	90.82	93.2	7.38	63.26	32.26
3792	21941	90.8	540.12	16.29	461.77	110.52
2297	19720	90.8	1016.28	250.22	3549.5	1897.3
2429	18612	90.74	117.59	5.93	101.76	38.81
2605	17240	90.72	1591.23	264.31	3690.66	1526.24

3693	17941	90.72	1705.16	340.78	3541.35	1239.21
2147	11623	90.69	1585.18	420.93	3572.83	1414.16
1963	14459	90.64	1664.5	333.83	4372.25	2008.92
4242	25725	90.64	201.61	18.87	142.54	63.66
1324	19358	90.56	335.41	234.58	1034.34	444.03
2390	7460	90.56	1447.28	503.16	8376.31	5711.12
3511	17809	90.5	63.61	6.35	43.17	20.4
1633	8285	90.48	65.26	2.84	64.85	30.14
2256	16175	90.42	1734.36	450.11	3006.78	797.96
1397	17654	90.4	527.63	37.95	357.17	165.34
1582	5712	90.4	57.55	9.67	117.5	53.07
2614	15107	90.4	685.72	260.22	3951.42	2643.29
1784	11213	90.37	1104.28	35.89	1088.32	262.5
348	12729	90.34	76.66	12.1	29.95	88.53
1901	16718	90.34	484.99	118.18	1026.56	426.88
2534	22379	90.34	251.56	47.06	472.98	216.64
2914	9597	90.32	769.59	317.08	2903.6	1782.33
2008	24162	90.32	1035.37	45.75	1215.11	343.73
2372	6455	90.24	1919.19	323.32	3670.12	1300.74
2564	21242	90.24	590.38	79.78	388.78	129.01
1475	6277	90.13	469.67	25.49	382.45	89.67
2033	8213	90.05	1605.76	284.59	3449.73	1392.56
2197	20823	90.03	2271.06	461.65	4078.81	1322.22
4010	1301	90	710.94	159.69	1379.87	963.99
460	15638	89.97	70.36	11.43	37.54	26.17
2199	18936	89.92	965.06	136.66	1618.56	474.65
206	6329	89.92	1498.01	311.83	4964.46	2759.61
3891	15408	89.87	496.5	105.27	291.8	164.86
4059	18457	89.76	240.8	32.56	153.91	54.94
3830	18628	89.6	907.41	117.56	1450.82	395.72
662	7637	89.51	73.34	27.64	29.36	14.81
3518	18630	89.5	43.93	7.32	28.84	19.07
3682	20724	89.42	129.06	13.73	84.89	33.2
4249	1391	89.36	137.56	11.95	97.71	30.33
3306	9124	89.34	485.07	50.76	377	101.38
3265	6653	89.28	830.4	93.61	600.19	144.19
68	14504	89.23	193.86	27.28	143.51	178.6
442	15340	89.06	69.9	15.13	41.14	10.49
3466	13480	88.97	943.91	57.53	727.01	183.71
2970	31	88.97	491.78	51.48	336.52	102.2
3584	6912	88.91	287.28	41.05	192.94	64.6
4260	1877	88.91	915.58	61.13	695.34	186.18
3270	18957	88.67	669.41	87.85	370.05	148.77
2850	1728	88.65	319.76	41.83	250.03	114.42
4092	15462	88.65	688.54	39.2	544.83	120.31
499	17290	88.61	342.44	109.85	176.04	95.2
147	2830	88.53	480.81	74.77	302.61	68.84
419	15980	88.51	87.93	7.82	63.44	23.3
4291	1542	88.51	333.53	54.06	227.68	86.93
4032	25644	88.49	526.27	60.01	339.06	180.51
4280	853	88.41	826.1	151.31	454.81	238.58
3061	17787	88.36	635.52	51.97	1566.79	1003.66
2925	17284	88.2	252.62	24.41	184.06	54.85

2952	107	88.19	326.08	81.64	129.2	72
3081	17237	88.19	384.32	80.65	229.17	60.98
3555	9929	88.06	844.74	76.52	671.49	182.55
3795	21424	88.04	660.38	72.95	492.38	123.46
3686	14953	87.98	488.75	46.12	387.24	80.16
2949	3549	87.93	275.64	34.39	201.23	82.02
3248	15621	87.76	566.49	83.33	369.32	89.2
3000	14881	87.75	1044.64	138.55	1704.91	636.28
4087	40	87.69	510.83	67.57	362.72	186.44
4242	16780	87.47	505.81	68.58	309.18	111.74
2734	17571	87.37	292.38	39.42	228.41	57.78
3734	25468	87.35	801.88	493.93	2330.1	1100.94
638	2480	87.32	312.02	28.4	234.99	74.25
2992	20714	87.29	834.07	204.49	567.74	703.63
3090	4449	87.24	331.63	39.44	238.4	93.3
3114	20776	87.24	44.07	5.91	29.47	12.54
3002	20481	87.23	175.64	48.93	96.78	34.85
3404	20057	87.18	268.06	63.12	139.68	54.54
2838	14882	87.08	849.4	143.25	1301.88	416.62
3030	64	87.07	241.43	61.1	134.1	43.68
76	23203	87.05	185.72	51.14	102.53	42.82
3306	9125	87	672.86	23.21	636.51	138.72
147	2831	86.94	406.28	112.72	249.86	81.54
3734	25469	86.84	623.21	308.3	1632.67	752.14
4115	317	86.71	30.87	3.51	44	20.66
3082	4573	86.63	991.46	117.12	1270.18	234.31
2972	1695	86.5	20.99	9.06	58.33	36.53
3117	24707	86.39	858.13	96.24	1262.15	456.36
588	12118	86.39	128.64	30.31	270.14	191.82
3355	16227	86.37	92.61	7.47	124.84	65.08
1243	20133	86.34	58.33	2.78	53.93	35.7
1217	1058	86.31	293.74	39.68	231.15	142.22
3079	16895	86.29	981.29	178.8	1714.67	560.79
3461	17161	86.21	921.52	109.1	787.54	372.15
4219	670	86.21	912.89	115.96	1208.83	267.82
35	11353	86.2	139.69	41.19	92.3	33.81
4179	9841	86.18	1573.12	179.4	2171.05	563.5
2899	4360	86.05	126.15	41.6	264.82	128.89
3240	21078	86.02	893.7	55.83	737.66	215.48
3785	12496	85.92	108.37	13.93	76.33	29.99
96	17187	85.91	59.95	13.03	31.54	17.07
3278	4392	85.86	1356.7	232.83	2202.58	661.19
4173	1359	85.85	194.12	42.29	122.69	33.72
4137	746	85.84	31.64	12.59	125.53	81.76

TABLE 5YY: VALPROATE

Timepoint(s): 24, 96 hrs

Attorney Docket 44921-5038-01-WO

Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
3958	17758	96.05	669.19	104.13	362.17	375.48
3168	16721	94.27	408.48	63.51	259.65	73.63

349	12829	93.37	535.03	45.99	379.35	90.31
3335	26109	93.32	478.76	128.18	146.1	264.1
3335	18687	93.08	1073.99	196.89	660.51	590.16
2840	18686	93.05	1263.89	201.14	706.02	613.73
233	19433	92.79	231.66	53.54	107.01	119.22
347	6345	92.76	351.14	46.93	230.34	62.46
1949	9192	92.6	808.14	104.63	1627.81	666.43
2682	5316	92.36	140.52	56.6	342.33	116.25
2724	12964	92.12	388.64	33.77	236.19	94.18
3146	17992	92.07	144.02	35.41	77.48	53.64
3101	18636	92.07	1077.28	301.99	2662.77	1037.67
2520	20846	91.99	1508.64	204.46	2740.07	862.43
3177	6107	91.94	141.47	25.19	92.73	56.32
3929	16767	91.86	866.2	77.34	604.77	198.12
220	10157	91.86	914.83	66.38	644.19	210.59
3295	17107	91.83	1219.63	250.98	2469.03	845.35
1267	15849	91.59	278.55	37.16	181.8	121.4
2731	1689	91.49	1533.21	844.23	4872.17	2250.97
1683	9767	91.46	20.12	1.96	34.7	21.52
1774	2220	91.3	21.85	16.64	93.24	44.49
556	13647	91.22	1285.75	86.85	1021.37	339.25
2557	22542	91.22	1210.34	316.06	3415.02	1417.06
2659	21156	91.17	1398.49	277.03	5101.55	2988.09
4125	368	91.17	52.04	9.44	29.77	33.47
3936	4956	91.17	145.82	8.43	128.28	73.69
1345	3534	91.14	115.08	4.62	147.25	58.63
1222	19649	91.03	124.41	12	84.3	25.26
2916	18638	91.03	1417.12	287.44	2730.97	848.83
375	15172	90.95	130.63	57.41	355.29	216.33
3775	9307	90.93	1856.33	421.49	6268.95	3322.8
934	2671	90.88	166.52	17.03	116.46	44.16
4105	1949	90.82	93.2	7.38	63.26	32.26
2297	19720	90.8	1016.28	250.22	3549.5	1897.3
2429	18612	90.74	117.59	5.93	101.76	38.81
3693	17941	90.72	1705.16	340.78	3541.35	1239.21
2605	17240	90.72	1591.23	264.31	3690.66	1526.24
2147	11623	90.69	1585.18	420.93	3572.83	1414.16
1963	14459	90.64	1664.5	333.83	4372.25	2008.92
2390	7460	90.56	1447.28	503.16	8376.31	5711.12
1324	19358	90.56	335.41	234.58	1034.34	444.03
3511	17809	90.5	63.61	6.35	43.17	20.4
2256	16175	90.42	1734.36	450.11	3006.78	797.96
2614	15107	90.4	685.72	260.22	3951.42	2643.29
1582	5712	90.4	57.55	9.67	117.5	53.07
1901	16718	90.34	484.99	118.18	1026.56	426.88
2008	24162	90.32	1035.37	45.75	1215.11	343.73
2914	9597	90.32	769.59	317.08	2903.6	1782.33
2564	21242	90.24	590.38	79.78	388.78	129.01
2372	6455	90.24	1919.19	323.32	3670.12	1300.74
2033	8213	90.05	1605.76	284.59	3449.73	1392.56
2197	20823	90.03	2271.06	461.65	4078.81	1322.22
460	15638	89.97	70.36	11.43	37.54	26.17
206	6329	89.92	1498.01	311.83	4964.46	2759.61

2199	18936	89.92	965.06	136.66	1618.56	474.65
3891	15408	89.87	496.5	105.27	291.8	164.86
3959	19384	89.81	1231.64	185.84	2639.3	1353.84
203	576	89.81	1989.75	480.88	5070.57	2322.75
3753	14042	89.76	1447.11	488.97	8030.24	5338.27
4059	18457	89.76	240.8	32.56	153.91	54.94
158	3476	89.76	79.91	18.88	28.04	43.14
3892	17391	89.76	2008.07	337.17	2374.79	1766.76
2301	14561	89.68	124.89	11.69	181.53	57.96
2053	19884	89.66	2138.86	333.83	5272.04	2646.9
1369	13296	89.6	144.15	16.97	94.75	54.33
3830	18628	89.6	907.41	117.56	1450.82	395.72
2349	19427	89.55	1358.77	206.78	3992.97	2472.28
2036	5954	89.55	2109.39	395.87	3641.67	1154.01
1858	16915	89.55	1933.65	374.05	5652.26	3070.22
662	7637	89.51	73.34	27.64	29.36	14.81
3518	18630	89.5	43.93	7.32	28.84	19.07
236	230	89.47	1634.63	359.74	3128.37	1037.43
302	2103	89.44	1292.91	346.45	2439.52	1122.41
3682	20724	89.42	129.06	13.73	84.89	33.2
2416	14540	89.42	502.81	142.08	1231.83	485.31
3830	19827	89.39	770	213.42	1855.83	785.06
4249	1391	89.36	137.56	11.95	97.71	30.33
2597	11190	89.36	271.67	12.89	236.6	83.37
154	6001	89.36	203.57	15.3	187.49	99.46
3306	9124	89.34	485.07	50.76	377	101.38
993	12426	89.33	188.17	106.67	25.52	58.19
793	4271	89.33	313.16	92.08	59.04	134.42
2551	17144	89.28	1486.63	273.26	4746.29	2999.63
3265	6653	89.28	830.4	93.61	600.19	144.19
68	14504	89.23	193.86	27.28	143.51	178.6
2054	11585	89.23	229.71	29.55	368.66	109.19
2073	18905	89.2	840.58	134.95	1259.96	289.72
362	18765	89.15	1805.18	366.77	2858.43	864.44
1712	9735	89.15	184.31	7.42	170.61	55.8
1529	18002	89.15	1522.4	140.08	2314.39	800.74
1834	1807	89.1	1778.27	388.13	4614.36	2631.62
442	15340	89.06	69.9	15.13	41.14	10.49
3690	22828	89.05	53.75	13.31	22.37	34.14
2355	16656	89.02	210.26	41.9	345.35	95.64
2316	21224	89.02	251.69	23.29	184.47	52.29
1473	7214	89.02	150.91	10.31	121.88	62.76
2970	31	88.97	491.78	51.48	336.52	102.2
3466	13480	88.97	943.91	57.53	727.01	183.71
3584	6912	88.91	287.28	41.05	192.94	64.6
4260	1877	88.91	915.58	61.13	695.34	186.18
262	2056	88.91	55.51	5.67	32.79	23.14
3270	18957	88.67	669.41	87.85	370.05	148.77
2850	1728	88.65	319.76	41.83	250.03	114.42
4092	15462	88.65	688.54	39.2	544.83	120.31
499	17290	88.61	342.44	109.85	176.04	95.2
147	2830	88.53	480.81	74.77	302.61	68.84
419	15980	88.51	87.93	7.82	63.44	23.3

4291	1542	88.51	333.53	54.06	227.68	86.93
4032	25644	88.49	526.27	60.01	339.06	180.51
4280	853	88.41	826.1	151.31	454.81	238.58
3061	17787	88.36	635.52	51.97	1566.79	1003.66
2925	17284	88.2	252.62	24.41	184.06	54.85
2952	107	88.19	326.08	81.64	129.2	72
3081	17237	88.19	384.32	80.65	229.17	60.98
3555	9929	88.06	844.74	76.52	671.49	182.55
3795	21424	88.04	660.38	72.95	492.38	123.46
3686	14953	87.98	488.75	46.12	387.24	80.16
2949	3549	87.93	275.64	34.39	201.23	82.02
3248	15621	87.76	566.49	83.33	369.32	89.2
3000	14881	87.75	1044.64	138.55	1704.91	636.28
4087	40	87.69	510.83	67.57	362.72	186.44
4242	16780	87.47	505.81	68.58	309.18	111.74
2734	17571	87.37	292.38	39.42	228.41	57.78
3734	25468	87.35	801.88	493.93	2330.1	1100.94
638	2480	87.32	312.02	28.4	234.99	74.25
2992	20714	87.29	834.07	204.49	567.74	703.63
3090	4449	87.24	331.63	39.44	238.4	93.3
3114	20776	87.24	44.07	5.91	29.47	12.54
3002	20481	87.23	175.64	48.93	96.78	34.85
3404	20057	87.18	268.06	63.12	139.68	54.54
2838	14882	87.08	849.4	143.25	1301.88	416.62
3030	64	87.07	241.43	61.1	134.1	43.68
76	23203	87.05	185.72	51.14	102.53	42.82
3306	9125	87	672.86	23.21	636.51	138.72
147	2831	86.94	406.28	112.72	249.86	81.54
3734	25469	86.84	623.21	308.3	1632.67	752.14
4115	317	86.71	30.87	3.51	44	20.66
3082	4573	86.63	991.46	117.12	1270.18	234.31
2972	1695	86.5	20.99	9.06	58.33	36.53
3117	24707	86.39	858.13	96.24	1262.15	456.36
588	12118	86.39	128.64	30.31	270.14	191.82
3355	16227	86.37	92.61	7.47	124.84	65.08
1243	20133	86.34	58.33	2.78	53.93	35.7
1217	1058	86.31	293.74	39.68	231.15	142.22
3079	16895	86.29	981.29	178.8	1714.67	560.79
3461	17161	86.21	921.52	109.1	787.54	372.15
4219	670	86.21	912.89	115.96	1208.83	267.82
35	11353	86.2	139.69	41.19	92.3	33.81
4179	9841	86.18	1573.12	179.4	2171.05	563.5
2899	4360	86.05	126.15	41.6	264.82	128.89
3240	21078	86.02	893.7	55.83	737.66	215.48
3785	12496	85.92	108.37	13.93	76.33	29.99
96	17187	85.91	59.95	13.03	31.54	17.07
3278	4392	85.86	1356.7	232.83	2202.58	661.19
4173	1359	85.85	194.12	42.29	122.69	33.72
3255	17807	85.84	1121.63	212.64	2051.02	728.09
4137	746	85.84	31.64	12.59	125.53	81.76
3493	20762	85.8	108.41	21.89	71.3	19.6
3099	172	85.78	28.91	3.05	28.6	22.27
3709	16535	85.73	783.21	62.31	1179.13	436.73

3324	5749	85.62	272.46	36.76	197.2	85.52
3510	17757	85.59	123.09	26.53	69.35	27.49
3728	12299	85.57	818.25	125.16	1162.99	301.27
4194	20597	85.54	1074.36	211.93	1853.72	668.77
4080	16131	85.49	1490.04	139.8	2034.25	935.42
3340	17516	85.46	374.19	74.96	249.72	78.9
3161	17306	85.44	1187.09	358.14	2604.43	1272.93
144	10623	85.41	680.84	84.92	1105.32	503.99
3740	25024	85.36	898.49	145.44	1409.02	555.09
3119	10622	85.33	926.52	116.8	1557.32	699.47
3473	8212	85.33	1180.62	164.64	1984.01	731.18

TABLE 52Z: VALPROATE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2393	23262	99.87	159.96	10.77	47.61	16.47
3586	15886	99.81	411.58	7.61	207.21	58.54
884	12228	99.76	351.58	43.32	81.87	56.7
675	19120	99.74	97.16	4.58	22.46	16.56
2623	19655	99.68	211.96	11.1	81.02	32.38
663	17953	99.63	354.46	11.66	157.25	45.88
1792	7051	99.6	124.41	23.53	37.62	14.55
2587	8709	99.6	77.41	20.48	272.97	70.72
868	8321	99.58	458.46	50.15	155.46	50.59
4295	26099	99.58	236.18	48.08	65.78	23.75
595	17332	99.58	130.86	11.74	50.81	26.51
92	7947	99.58	207.62	23.69	80.48	35.91
2522	13949	99.58	40.01	5.76	162.56	50.63
1421	5652	99.52	106.78	19.76	281.58	73.2
440	15713	99.52	110.44	15.62	42.46	23.13
644	3465	99.52	143.57	15.46	49.14	23.07
1719	9800	99.52	317.62	13.39	97.1	61.97
2410	22901	99.5	241.2	46.46	64.58	17.22
2057	17778	99.47	199.26	33.86	74.87	51.83
3726	21810	99.47	147.37	14.16	53.35	19.43
1810	15515	99.44	213.97	19.3	456.58	82.77
2244	6861	99.42	344.93	34.39	170.07	37.46
647	4544	99.42	127.46	11.71	49.35	17.58
540	11384	99.42	81.04	8.11	29.42	10.66
3084	16026	99.36	335.99	91.87	63.55	25.22
528	2107	99.36	324.02	67.87	95.61	43.07
1498	2108	99.36	336.51	41.51	127.48	48.12
2446	23824	99.34	210.41	16.64	118.99	35.7
2389	24368	99.34	528.11	68.97	166.8	68.59
2728	5052	99.34	794.36	72.73	2114.44	590.03
2276	14275	99.28	302.31	61.12	113.48	24.81
2456	11527	99.28	160.41	6.29	59.07	42.52
980	23557	99.28	185.79	19.06	61.77	30.07
4250	602	99.28	99.91	22.88	23.71	17.29
2430	22106	99.28	259.48	8.56	146.46	39.4

3070	4467	99.26	166.52	20.43	56.02	112.2
2065	10593	99.26	285.77	54.75	87.35	41.57
1809	17510	99.26	101.25	8.57	215.92	52.85
3772	9573	99.26	355.74	18.81	169.46	50.77
2459	13838	99.26	378.77	22.17	157.9	44.64
4062	25496	99.18	196.46	19.04	89	39.42
880	15476	99.18	363.23	24.05	149.16	65.17
2311	5381	99.18	307.86	8.85	184.75	47.04
477	21952	99.18	120.36	12.3	48.7	17.16
481	11949	99.18	63.59	7.86	20.25	9.14
2739	6567	99.18	569.39	79.91	177.01	61.27
2751	23081	99.15	65.86	11.2	20.78	19.63
1749	15518	99.15	185.46	23.04	84.75	40.44
531	3847	99.15	88.12	13.12	34.92	19.5
834	22130	99.15	182.93	32.98	38.03	28.06
2179	13490	99.15	162.27	44.5	569.88	149.75
3992	7636	99.15	79.72	11.23	24.76	10.96
1374	7042	99.15	170.97	15.16	79.9	25.83
1101	2569	99.15	368.59	10.54	909.19	289.59
3137	17257	99.15	247.01	35.39	40.48	31.69
301	22518	99.13	114.57	10.37	30.54	46.73
2107	2216	99.13	202.04	22.44	90.48	31.61
1391	18684	99.13	185.78	29.38	66.43	30.14
909	7683	99.1	775.47	114.33	372.95	78.32
1753	9471	99.1	165.46	28.94	55.26	21.11
441	10936	99.1	357.93	16.64	188.26	50.93
2704	14766	99.07	226.04	22.61	502.56	123.95
3759	16018	99.07	134.71	31.95	47.58	30.75
2484	15862	99.05	87.77	12.04	24.57	43.23
3347	17782	99.05	358.53	30.03	168.22	67.23
3523	19669	99.05	165.38	28.55	55	23.23
729	17644	99.02	363.33	49.53	139.25	58.69
4166	2153	99.02	114.29	41.76	27.34	15.47
1668	8808	99.02	85.91	23.6	418.62	111.97
3726	21809	99.02	111.93	21.55	26.02	15.63
3694	17194	98.99	83.25	19.2	22.13	18.11
2305	5921	98.99	215.51	43.51	66.91	30.18
1379	7060	98.97	660.8	111.9	257.81	80.12
248	2324	98.97	181.75	15	79.72	31.42
645	17838	98.97	195.55	17.02	101.43	32.58
3084	16024	98.97	346.79	125.88	94.46	28.67
1158	3332	98.97	239.5	50.79	77.63	40.92
2189	6686	98.97	321.08	39.21	133.95	38.42
1415	2791	98.94	84.63	13.81	197.38	60.31
1367	8966	98.94	413.62	47.42	190.54	62.34
2892	4333	98.94	112.03	6.38	55.18	17.85
2103	14357	98.94	176.3	34.12	66.77	30.48
549	11982	98.89	403.79	34.77	185.59	56.27
2221	15179	98.86	221.74	31.93	99.82	35.51
1116	2898	98.86	234.55	69.9	38.77	32.27
846	10394	98.86	223.94	54.68	44.28	38.41
1152	16071	98.86	217.29	30.2	78.18	45.01
922	20904	98.83	409.23	35.29	219.64	102.15

447	15888	98.83	447.56	72.86	166.15	140.27
775	10666	98.83	277.17	34.87	570.71	119.24
3137	17258	98.83	272.32	41.83	105.04	31.48
3213	17181	98.81	82.77	13.75	28.5	12.32
1485	3647	98.81	156.85	32.49	57.73	28.45
2658	14190	98.81	105.02	14.48	34.72	16.22
2125	3971	98.81	129.2	14.83	47.55	21.16
662	7637	98.81	126.56	26.28	29.26	14.22
756	5011	98.78	123.8	25.1	49.43	19.65
3084	16025	98.78	282.93	155.41	49.06	21.91
3992	7635	98.78	242.55	27.47	126.64	27.11
3865	18025	98.78	271.79	23.84	122.07	41.26
86	21064	98.68	210.88	55.32	63.76	23.88
3413	15911	98.68	302.58	34.14	133.94	39.68
3908	7595	98.68	141.09	25	60.54	14.66
3682	20724	98.65	209.35	30.18	84.72	32.65
642	4540	98.65	161.75	46.76	56.36	20.77
399	22739	98.62	242.24	26.39	107.18	31.43
2809	19749	98.62	90.09	17.56	32.23	14.31
1242	21957	98.6	309.89	9.03	172.48	52.28
427	15116	98.6	188.3	22.35	86.26	29.52
4061	25495	98.57	176.65	29.34	78.34	33.68
94	18442	98.54	72.39	19.51	27.16	11.67
28	17687	98.44	104.25	12.74	39.5	15.52
2912	4414	98.38	139.81	12.39	66.99	22.52
4258	16725	98.38	66.78	10.34	162.23	46.07
3435	20090	98.36	358.17	112.71	108.92	40.16
2833	23220	98.3	197.68	24.82	84.5	29.72
3575	21801	98.3	191.41	25.44	96.64	22.78
121	21407	98.28	188.48	55.27	50.85	27.48
3482	8597	98.28	175.63	10.05	102.84	33.09
3874	23250	98.28	209.87	12.1	124.75	29.06
4178	1401	98.28	87.71	8.93	43.36	12.81
3016	1843	98.25	98.62	41.23	29.41	16.15
653	3035	98.25	88.17	44.87	26.67	11.75
2817	3787	98.22	54.75	1.97	28.81	11.11
3854	15857	98.22	179.17	37.78	77.35	19.5
479	21905	98.17	91.1	11.38	45.92	12.83
3616	15489	98.17	134.19	6.54	76.32	23.64
2957	1481	98.15	129.77	8.15	58.27	29.62
2908	16524	98.15	75.52	19.53	28.02	10.68
3259	21580	98.12	101.77	21.17	40.13	16.38
77	18400	98.12	146.5	32.63	49.68	24.09
3630	15359	98.09	121.87	15.4	54.81	22.3
3787	15829	98.09	159	59.56	24.75	53.2
3788	11843	98.09	60.93	9.99	30.73	9.99
617	3865	98.09	111.86	18.72	46.23	19.25
4100	22039	98.09	76.96	4.02	40.3	19.16
561	19226	98.07	357.6	47.65	186.16	54.68
3655	14295	98.04	93.13	17.27	30.13	23.6
3016	1844	98.01	368.98	81.85	114.47	62.97
87	4832	97.99	85.2	20.78	35.16	15.85
3327	3253	97.96	286.87	14.72	171.53	52.61

397	22396	97.96	229.43	65.13	98.81	27.9
643	22150	97.96	167.27	20.26	82.56	27.96
649	12028	97.96	66.8	18.03	22.08	10.28
3624	15662	97.93	82.56	9.91	36.56	49.45
2846	19053	97.93	72.78	13.91	28.14	54.44
28	17688	97.93	145.07	20.59	55.81	29.42
49	11314	97.93	237.45	55.64	98.69	30
476	21951	97.93	227	30.63	104.69	33.99
2817	3788	97.93	72.12	6.02	35.71	12.63
3009	1580	97.91	88.88	14.84	24.77	25.2
661	2192	97.91	140.85	60.48	38.85	20.13
4293	8664	97.85	77.55	10.77	46.67	200.12
3525	21491	97.8	170.35	23.28	79.46	23.14
4041	10544	97.8	420.34	40.99	179.2	70.52
600	17590	97.8	279.39	39.93	105.9	45.96
3588	20899	97.8	181.9	39.69	69.04	23.76
3657	24235	97.77	672.88	64.31	328.94	168.73
3297	20702	97.77	134.07	14.12	49.97	39.93
563	4495	97.72	140.91	10.51	68.26	26.43

TABLE 5AAA: VALPROATE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2393	23262	99.87	159.96	10.77	47.61	16.47
3586	15886	99.81	411.58	7.61	207.21	58.54
884	12228	99.76	351.58	43.32	81.87	56.7
675	19120	99.74	97.16	4.58	22.46	16.56
2623	19655	99.68	211.96	11.1	81.02	32.38
663	17953	99.63	354.46	11.66	157.25	45.88
1792	7051	99.6	124.41	23.53	37.62	14.55
92	7947	99.58	207.62	23.69	80.48	35.91
595	17332	99.58	130.86	11.74	50.81	26.51
4295	26099	99.58	236.18	48.08	65.78	23.75
868	8321	99.58	458.46	50.15	155.46	50.59
644	3465	99.52	143.57	15.46	49.14	23.07
440	15713	99.52	110.44	15.62	42.46	23.13
1421	5652	99.52	106.78	19.76	281.58	73.2
2410	22901	99.5	241.2	46.46	64.58	17.22
3726	21810	99.47	147.37	14.16	53.35	19.43
2057	17778	99.47	199.26	33.86	74.87	51.83
1810	15515	99.44	213.97	19.3	456.58	82.77
540	11384	99.42	81.04	8.11	29.42	10.66
647	4544	99.42	127.46	11.71	49.35	17.58
1498	2108	99.36	336.51	41.51	127.48	48.12
528	2107	99.36	324.02	67.87	95.61	43.07
3084	16026	99.36	335.99	91.87	63.55	25.22
2446	23824	99.34	210.41	16.64	118.99	35.7
2430	22106	99.28	259.48	8.56	146.46	39.4
4250	602	99.28	99.91	22.88	23.71	17.29
980	23557	99.28	185.79	19.06	61.77	30.07

2276	14275	99.28	302.31	61.12	113.48	24.81
3772	9573	99.26	355.74	18.81	169.46	50.77
1809	17510	99.26	101.25	8.57	215.92	52.85
3070	4467	99.26	166.52	20.43	56.02	112.2
2739	6567	99.18	569.39	79.91	177.01	61.27
481	11949	99.18	63.59	7.86	20.25	9.14
477	21952	99.18	120.36	12.3	48.7	17.16
880	15476	99.18	363.23	24.05	149.16	65.17
4062	25496	99.18	196.46	19.04	89	39.42
1374	7042	99.15	170.97	15.16	79.9	25.83
3992	7636	99.15	79.72	11.23	24.76	10.96
2179	13490	99.15	162.27	44.5	569.88	149.75
834	22130	99.15	182.93	32.98	38.03	28.06
531	3847	99.15	88.12	13.12	34.92	19.5
1749	15518	99.15	185.46	23.04	84.75	40.44
2751	23081	99.15	65.86	11.2	20.78	19.63
1391	18684	99.13	185.78	29.38	66.43	30.14
301	22518	99.13	114.57	10.37	30.54	46.73
441	10936	99.1	357.93	16.64	188.26	50.93
1753	9471	99.1	165.46	28.94	55.26	21.11
909	7683	99.1	775.47	114.33	372.95	78.32
3759	16018	99.07	134.71	31.95	47.58	30.75
2704	14766	99.07	226.04	22.61	502.56	123.95
3347	17782	99.05	358.53	30.03	168.22	67.23
2484	15862	99.05	87.77	12.04	24.57	43.23
3726	21809	99.02	111.93	21.55	26.02	15.63
1668	8808	99.02	85.91	23.6	418.62	111.97
4166	2153	99.02	114.29	41.76	27.34	15.47
2305	5921	98.99	215.51	43.51	66.91	30.18
3694	17194	98.99	83.25	19.2	22.13	18.11
1158	3332	98.97	239.5	50.79	77.63	40.92
3084	16024	98.97	346.79	125.88	94.46	28.67
645	17838	98.97	195.55	17.02	101.43	32.58
248	2324	98.97	181.75	15	79.72	31.42
1379	7060	98.97	660.8	111.9	257.81	80.12
2103	14357	98.94	176.3	34.12	66.77	30.48
2892	4333	98.94	112.03	6.38	55.18	17.85
1367	8966	98.94	413.62	47.42	190.54	62.34
1415	2791	98.94	84.63	13.81	197.38	60.31
549	11982	98.89	403.79	34.77	185.59	56.27
1152	16071	98.86	217.29	30.2	78.18	45.01
1116	2898	98.86	234.55	69.9	38.77	32.27
3137	17258	98.83	272.32	41.83	105.04	31.48
775	10666	98.83	277.17	34.87	570.71	119.24
447	15888	98.83	447.56	72.86	166.15	140.27
922	20904	98.83	409.23	35.29	219.64	102.15
662	7637	98.81	126.56	26.28	29.26	14.22
2125	3971	98.81	129.2	14.83	47.55	21.16
2658	14190	98.81	105.02	14.48	34.72	16.22
1485	3647	98.81	156.85	32.49	57.73	28.45
3213	17181	98.81	82.77	13.75	28.5	12.32
3865	18025	98.78	271.79	23.84	122.07	41.26
3992	7635	98.78	242.55	27.47	126.64	27.11

3084	16025	98.78	282.93	155.41	49.06	21.91
756	5011	98.78	123.8	25.1	49.43	19.65
2182	22311	98.75	491.64	195.86	180.43	66.75
2765	22506	98.75	185.7	18.32	86.49	31.5
1407	3957	98.75	349.72	60.3	116.39	51.53
937	11256	98.73	201.82	66.16	33.92	32.41
1368	6995	98.7	48.08	7.57	141.26	47.09
2373	17349	98.7	345.04	34.69	801.16	236.59
1399	2341	98.68	449.28	14.45	260.1	78.69
3413	15911	98.68	302.58	34.14	133.94	39.68
86	21064	98.68	210.88	55.32	63.76	23.88
3908	7595	98.68	141.09	25	60.54	14.66
642	4540	98.65	161.75	46.76	56.36	20.77
3682	20724	98.65	209.35	30.18	84.72	32.65
399	22739	98.62	242.24	26.39	107.18	31.43
1434	14033	98.62	633.79	62.81	340.72	96.63
2809	19749	98.62	90.09	17.56	32.23	14.31
1242	21957	98.6	309.89	9.03	172.48	52.28
427	15116	98.6	188.3	22.35	86.26	29.52
786	20805	98.6	746.66	122.62	356.59	85.62
4061	25495	98.57	176.65	29.34	78.34	33.68
94	18442	98.54	72.39	19.51	27.16	11.67
28	17687	98.44	104.25	12.74	39.5	15.52
2912	4414	98.38	139.81	12.39	66.99	22.52
4258	16725	98.38	66.78	10.34	162.23	46.07
2833	23220	98.3	197.68	24.82	84.5	29.72
3575	21801	98.3	191.41	25.44	96.64	22.78
121	21407	98.28	188.48	55.27	50.85	27.48
3482	8597	98.28	175.63	10.05	102.84	33.09
3874	23250	98.28	209.87	12.1	124.75	29.06
4178	1401	98.28	87.71	8.93	43.36	12.81
3016	1843	98.25	98.62	41.23	29.41	16.15
653	3035	98.25	88.17	44.87	26.67	11.75
2817	3787	98.22	54.75	1.97	28.81	11.11
3854	15857	98.22	179.17	37.78	77.35	19.5
479	21905	98.17	91.1	11.38	45.92	12.83
3616	15489	98.17	134.19	6.54	76.32	23.64
2957	1481	98.15	129.77	8.15	58.27	29.62
2908	16524	98.15	75.52	19.53	28.02	10.68
3259	21580	98.12	101.77	21.17	40.13	16.38
77	18400	98.12	146.5	32.63	49.68	24.09
3630	15359	98.09	121.87	15.4	54.81	22.3
3787	15829	98.09	159	59.56	24.75	53.2
3788	11843	98.09	60.93	9.99	30.73	9.99
617	3865	98.09	111.86	18.72	46.23	19.25
4100	22039	98.09	76.96	4.02	40.3	19.16
561	19226	98.07	357.6	47.65	186.16	54.68
3655	14295	98.04	93.13	17.27	30.13	23.6
3016	1844	98.01	368.98	81.85	114.47	62.97
87	4832	97.99	85.2	20.78	35.16	15.85
3327	3253	97.96	286.87	14.72	171.53	52.61
397	22396	97.96	229.43	65.13	98.81	27.9
643	22150	97.96	167.27	20.26	82.56	27.96

649	12028	97.96	66.8	18.03	22.08	10.28
3624	15662	97.93	82.56	9.91	36.56	49.45
2846	19053	97.93	72.78	13.91	28.14	54.44
28	17688	97.93	145.07	20.59	55.81	29.42
49	11314	97.93	237.45	55.64	98.69	30
476	21951	97.93	227	30.63	104.69	33.99
2817	3788	97.93	72.12	6.02	35.71	12.63
3009	1580	97.91	88.88	14.84	24.77	25.2
661	2192	97.91	140.85	60.48	38.85	20.13
4293	8664	97.85	77.55	10.77	46.67	200.12
3525	21491	97.8	170.35	23.28	79.46	23.14
4041	10544	97.8	420.34	40.99	179.2	70.52
600	17590	97.8	279.39	39.93	105.9	45.96
3588	20899	97.8	181.9	39.69	69.04	23.76
3657	24235	97.77	672.88	64.31	328.94	168.73
3297	20702	97.77	134.07	14.12	49.97	39.93
563	4495	97.72	140.91	10.51	68.26	26.43
3517	24284	97.69	97.76	25.85	30.52	15.92
3575	21802	97.62	87.66	40.89	27.01	15.05

TABLE 5BBB: WY-14643						
Timepoint(s): 24, 168 hrs						
Attorney Docket 44921-5038-01-WO						
Document No. 1935828.1						
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
864	22370	99.97	947.8	45.96	264.31	93.61
793	4271	99.73	1158.9	100.94	54.72	111.84
1610	8177	99.71	111.24	21.57	493.76	296.31
3234	20855	99.63	280.45	92.78	34.91	24.75
2528	4272	99.63	574.5	62.02	31.52	65.6
685	4196	99.55	955.21	245.5	82.23	70.39
614	3439	99.52	360.01	42.43	76.56	35.24
1742	9372	99.52	1207.02	88.51	295.61	181.56
3235	397	99.36	340.1	85.84	66.81	33.71
3168	16721	99.31	653.33	70.48	258.32	68.98
3819	18174	99.31	677.01	46.13	319.17	87.57
875	22416	99.31	1007.69	157.15	142.8	82.97
3179	19302	99.31	266.41	30.54	38.19	35.79
2858	3743	99.26	241.75	55.82	58.29	23.31
750	18891	99.23	1266.22	224.6	296.7	155.12
3335	26109	99.2	1308.25	149.8	141.78	252.42
1205	3512	99.12	248.19	42.71	110.06	22.54
3235	20851	99.1	416.55	142.8	65.86	71.7
2325	5887	99.07	1009.76	196.15	64.31	121.89
3270	18956	99.07	339.4	100.37	34.13	24.8
2091	6243	99.07	204.28	17.24	65.81	40.64
3647	18318	99.04	438.32	67.58	86.28	60.51
1088	2457	99.04	1146	157.72	248.07	140.41
1205	3513	99.02	293.23	52.73	102.91	28.55
2850	1728	98.94	961.56	158.02	246.88	102.92
628	20985	98.94	470.16	91.9	135.47	54.95
3994	18083	98.86	677.02	185.81	22.68	55.63

2589	5602	98.86	1343.57	176.78	202.34	197.83
3270	18958	98.78	1050.75	265.09	322.06	115.47
3855	16190	98.78	1533.31	157	754.52	208.5
1953	21164	98.75	975.19	128.27	360.94	160.71
3819	18175	98.75	1011.42	130.09	494.94	114.26
3474	2236	98.75	413.52	40.11	196.93	61.08
3774	4290	98.75	476.02	102.71	61.28	57.22
1886	18742	98.75	1324.99	318.64	340.84	175.47
1234	22603	98.73	774.83	89.57	258.94	105.41
3270	18957	98.73	1202.21	275.43	367.18	137.37
536	14595	98.73	542.18	128.33	65.88	75.82
2932	1977	98.7	1131.84	134.44	364.61	164.21
3093	18746	98.7	442.03	89.15	67.21	52.95
3927	9268	98.67	408.14	66.88	158.4	59.24
2079	2811	98.62	595.11	111.12	190.01	74.6
3972	12215	98.59	614.69	183.46	136.89	81.54
2432	21822	98.59	626.14	50.33	346.06	80.94
3712	17736	98.57	204.95	48.34	50.21	208.18
96	17187	98.57	137.99	36.23	31.14	15.34
3708	15601	98.57	651.59	81.95	310.13	78.7
3093	18749	98.57	463.82	198.62	60.9	48.74
3125	20888	98.57	625.56	109.29	161.35	92.29
738	20711	98.57	863.73	93.56	132.18	199.47
45	20980	98.54	146.94	20.51	55.64	22.33
3647	18315	98.51	243.52	47.29	45.75	35.72
702	18890	98.49	1969.92	295.27	744.33	347.05
3647	18316	98.49	405.88	66.36	72.7	56.05
3093	18747	98.46	897.75	179.11	152.25	112.71
3764	14621	98.43	325.62	38.07	141.88	44.5
1428	19591	98.43	555.75	45.73	252.68	92.76
3478	4940	98.38	618.48	125.38	1612.91	443.53
3667	15175	98.38	521.95	60.64	230.61	64.52
1183	22737	98.38	677.82	194.98	164.81	92.55
1284	18125	98.38	1071.07	78.78	574.13	156.75
2215	22139	98.35	1036.01	79.75	625.02	133.81
2581	14264	98.35	329.47	59.89	89.69	69.09
869	13507	98.35	218	8.11	364.51	90.06
1935	9373	98.35	402.28	45.23	128.48	69.57
2068	9757	98.33	552.69	80.49	281.51	67.37
3857	16546	98.27	568.23	89.41	190.1	83.52
692	21354	98.17	2275.68	351.86	416.77	385.66
2592	3860	98.17	1003.64	154	391.78	156.35
2929	1421	98.11	261.75	50.24	138.27	22.59
3288	20859	98.06	107.85	18.05	41.73	20.06
2347	2768	98.06	1259.86	62.68	2066.78	442.44
1265	17353	98.06	375.3	160.54	38.1	49.13
727	22847	98.01	1801.36	146.24	1147.13	233.04
3647	18319	98.01	245.39	79.76	36.06	32.94
1234	22602	97.98	484.33	93.76	120.28	84.04
800	22224	97.98	475.42	82.24	145.78	87
3756	3842	97.96	243.92	76.28	67.28	27.92
409	23336	97.96	143.78	59.25	23.95	22.91
282	21341	97.85	1857.47	238.55	851.87	295.96

3543	22079	97.8	1865.96	269.83	4856.82	1476.77
951	19044	97.77	810.85	29.22	524.48	182.33
777	21010	97.74	1749.82	238.11	671.62	288.26
1460	3260	97.69	495.15	161.17	174.24	83.07
789	16945	97.66	1109.78	95.07	718.77	139.18
3484	9240	97.64	580.79	53.02	337.17	81.11
1494	7517	97.61	177.3	16.8	90.17	32.22
527	16836	97.58	132.53	27.9	63.15	16.36
3725	9106	97.58	573.57	48.69	324.11	84.68
4104	17999	97.58	894.56	49.7	1579.27	335.08
3929	16769	97.53	401.78	106.2	124.45	58.94
2438	20388	97.5	332.86	41.62	771.09	281.25
667	16434	97.5	529.32	68.06	285.72	69.62
695	20038	97.5	291.17	52.31	67.58	53.18
2201	15015	97.5	367.93	62.14	191.75	51.02
1605	10533	97.48	1061.54	144	511.32	195.08
2013	23427	97.48	746.46	133.49	312.88	111.58
1186	3460	97.4	78.31	12.72	222.99	99.67
2066	17027	97.4	368.6	65.63	1152.81	406.42
628	20986	97.37	869.32	111.47	335.98	168.01
468	15833	97.29	481.16	50.39	277.27	67.17
2211	22823	97.19	727.09	57.76	425.33	110.64
2079	2812	97.08	677.47	145.95	283.77	94.41
3958	17758	96.92	1264.61	336.5	359	370.32
3058	23698	96.89	1127.65	274.58	355.04	404.69
3368	22063	96.87	94.31	28.54	36.56	16.84
2829	20402	96.87	82	11.4	44.66	14.45
590	17421	96.84	468.41	75.59	258.45	61.13
4194	20597	96.76	689.7	128.09	1856.38	666.01
2838	14882	96.73	681.59	65.31	1303.16	415.6
2876	19590	96.68	129.84	20.81	53.22	28.84
2898	16588	96.65	67.32	9.85	44.02	7.97
3722	20554	96.57	672.88	164.86	261.72	134.69
3380	21109	96.57	62.18	6.61	34.31	11.84
3026	1586	96.55	166.37	23.96	89.49	24.89
3326	1447	96.55	402.67	37	240.42	59.33
3731	17933	96.52	398.65	134.65	127.8	69.48
3731	17934	96.52	503.62	132.26	175.68	88.95
674	26051	96.52	211.29	52.94	79.3	40.08
4160	20386	96.52	540.48	68.46	253.52	126.65
379	23340	96.42	279.87	60.1	134.62	38.24
3615	15052	96.34	853.24	52.45	1443.73	494.37
4179	9842	96.34	1061.71	56.99	1605.37	414.18
3806	13005	96.31	448.84	39.13	250.3	86.68
3282	21663	96.28	832.06	65.75	464.8	158.04
3563	24798	96.12	944.05	58.1	569.44	198.06
3469	23300	96.04	527.9	85.34	252.76	96.23
395	20034	96.02	145.58	25.02	81.93	28.43
3891	15408	95.99	853.57	161.3	289.87	160.54
4269	570	95.91	233.03	28.91	128.85	43.79
2901	4364	95.88	102.18	13.47	53.99	35.1
4130	15851	95.78	565.91	84.09	1405.1	499.67
67	20998	95.7	556.69	170.4	1250.17	334.35

413	16323	95.67	322.93	97.68	869.44	371.12
4107	229	95.65	427.19	43.97	681.65	159.06
2956	1228	95.62	193.11	22.49	111.05	29.8
3132	5317	95.43	181.89	215.05	901.47	328.21
3722	20555	95.41	715.43	72.79	338.54	185.99
4127	18038	95.41	467.16	63.12	248.17	89.51
621	19745	95.38	99.56	25.02	50.76	21.91
3424	18727	95.27	283.25	56.61	766.17	382.6
3929	16768	95.25	944.04	190.49	492.81	159.7
2868	2578	95.25	272.19	47.09	159.57	48.78
4165	16398	95.22	838.24	78.73	526.84	136.93
3384	23625	95.11	160.55	41.09	45.23	48.87
2803	5545	95.11	714.79	72.43	1493.51	572.93
3472	20915	95.03	1313.8	284.04	531.71	362.55
2989	24860	95.03	60.13	40.31	392.12	272.43
3836	17154	95.03	326.26	33.47	187.97	79.13

TABLE 5CCC: WY-14643			Attorney Docket 44921-5038-01-WO			
Timepoint(s): 24, 168 hrs			Document No. 1935828.1			
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
685	4196	99.55	955.21	245.5	82.23	70.39
3179	19302	99.31	266.41	30.54	38.19	35.79
3819	18174	99.31	677.01	46.13	319.17	87.57
3168	16721	99.31	653.33	70.48	258.32	68.98
1205	3512	99.12	248.19	42.71	110.06	22.54
3235	20851	99.1	416.55	142.8	65.86	71.7
2091	6243	99.07	204.28	17.24	65.81	40.64
628	20985	98.94	470.16	91.9	135.47	54.95
3270	18958	98.78	1050.75	265.09	322.06	115.47
3474	2236	98.75	413.52	40.11	196.93	61.08
3819	18175	98.75	1011.42	130.09	494.94	114.26
3270	18957	98.73	1202.21	275.43	367.18	137.37
1234	22603	98.73	774.83	89.57	258.94	105.41
2932	1977	98.7	1131.84	134.44	364.61	164.21
3927	9268	98.67	408.14	66.88	158.4	59.24
2079	2811	98.62	595.11	111.12	190.01	74.6
2432	21822	98.59	626.14	50.33	346.06	80.94
738	20711	98.57	863.73	93.56	132.18	199.47
3125	20888	98.57	625.56	109.29	161.35	92.29
3708	15601	98.57	651.59	81.95	310.13	78.7
96	17187	98.57	137.99	36.23	31.14	15.34
3712	17736	98.57	204.95	48.34	50.21	208.18
45	20980	98.54	146.94	20.51	55.64	22.33
3647	18315	98.51	243.52	47.29	45.75	35.72
3647	18316	98.49	405.88	66.36	72.7	56.05
3764	14621	98.43	325.62	38.07	141.88	44.5
3667	15175	98.38	521.95	60.64	230.61	64.52
869	13507	98.35	218	8.11	364.51	90.06
2215	22139	98.35	1036.01	79.75	625.02	133.81
2068	9757	98.33	552.69	80.49	281.51	67.37

3857	16546	98.27	568.23	89.41	190.1	83.52
2592	3860	98.17	1003.64	154	391.78	156.35
2929	1421	98.11	261.75	50.24	138.27	22.59
1265	17353	98.06	375.3	160.54	38.1	49.13
2347	2768	98.06	1259.86	62.68	2066.78	442.44
3288	20859	98.06	107.85	18.05	41.73	20.06
3647	18319	98.01	245.39	79.76	36.06	32.94
727	22847	98.01	1801.36	146.24	1147.13	233.04
1234	22602	97.98	484.33	93.76	120.28	84.04
409	23336	97.96	143.78	59.25	23.95	22.91
3756	3842	97.96	243.92	76.28	67.28	27.92
3543	22079	97.8	1865.96	269.83	4856.82	1476.77
3484	9240	97.64	580.79	53.02	337.17	81.11
4104	17999	97.58	894.56	49.7	1579.27	335.08
3725	9106	97.58	573.57	48.69	324.11	84.68
527	16836	97.58	132.53	27.9	63.15	16.36
3929	16769	97.53	401.78	106.2	124.45	58.94
667	16434	97.5	529.32	68.06	285.72	69.62
2438	20388	97.5	332.86	41.62	771.09	281.25
2013	23427	97.48	746.46	133.49	312.88	111.58
2066	17027	97.4	368.6	65.63	1152.81	406.42
1186	3460	97.4	78.31	12.72	222.99	99.67
628	20986	97.37	869.32	111.47	335.98	168.01
468	15833	97.29	481.16	50.39	277.27	67.17
349	12829	97.27	623.14	68.41	378.77	89.21
2211	22823	97.19	727.09	57.76	425.33	110.64
4030	21355	97.16	1208.44	309.54	297.28	278.31
2140	11525	97.11	635.55	73.94	380.57	83.16
2079	2812	97.08	677.47	145.95	283.77	94.41
691	12094	97.08	1682.43	452.96	4857.84	1818.68
2090	4428	97	414.86	44.73	237.97	67.53
1492	15594	96.95	140.38	21.75	22.64	44.34
4031	11440	96.92	1260.64	260.9	4594.34	1999.47
3958	17758	96.92	1264.61	336.5	359	370.32
270	14024	96.92	70.47	7.15	33.27	17.09
3608	19162	96.89	1004.5	262.57	2891.94	867.15
969	23320	96.89	448.11	51	240.34	77.06
3058	23698	96.89	1127.65	274.58	355.04	404.69
3368	22063	96.87	94.31	28.54	36.56	16.84
2829	20402	96.87	82	11.4	44.66	14.45
590	17421	96.84	468.41	75.59	258.45	61.13
1338	6869	96.81	44.12	7.03	220.41	98.06
1008	16722	96.71	24.91	3.58	70.97	28.51
2876	19590	96.68	129.84	20.81	53.22	28.84
2898	16588	96.65	67.32	9.85	44.02	7.97
1490	2668	96.63	1042.45	96.14	2504.2	1009.57
1063	15474	96.63	271.43	80.18	685.07	184.23
1139	17246	96.6	84.95	12.19	25.9	23.63
3380	21109	96.57	62.18	6.61	34.31	11.84
3722	20554	96.57	672.88	164.86	261.72	134.69
3326	1447	96.55	402.67	37	240.42	59.33
2662	14197	96.55	157.08	15.76	90.39	25.63
3026	1586	96.55	166.37	23.96	89.49	24.89

1076	19452	96.52	49.29	1.45	136.98	119.65
4160	20386	96.52	540.48	68.46	253.52	126.65
3731	17934	96.52	503.62	132.26	175.68	88.95
3731	17933	96.52	398.65	134.65	127.8	69.48
674	26051	96.52	211.29	52.94	79.3	40.08
1333	15627	96.49	1755.11	474.09	5784.08	1962.47
279	22028	96.47	1581.58	560.4	6758.19	3171.76
318	4941	96.44	706.96	125.79	1813.31	733.1
314	21482	96.42	25.52	21.05	398.69	192.7
379	23340	96.42	279.87	60.1	134.62	38.24
2136	11888	96.36	22.56	12.72	141.73	60.79
1142	21812	96.34	612.98	80.04	365.91	96.08
3615	15052	96.34	853.24	52.45	1443.73	494.37
4179	9842	96.34	1061.71	56.99	1605.37	414.18
3806	13005	96.31	448.84	39.13	250.3	86.68
1885	23836	96.31	131.32	36.15	40.56	32.63
3282	21663	96.28	832.06	65.75	464.8	158.04
3563	24798	96.12	944.05	58.1	569.44	198.06
3469	23300	96.04	527.9	85.34	252.76	96.23
395	20034	96.02	145.58	25.02	81.93	28.43
3891	15408	95.99	853.57	161.3	289.87	160.54
4269	570	95.91	233.03	28.91	128.85	43.79
2901	4364	95.88	102.18	13.47	53.99	35.1
4130	15851	95.78	565.91	84.09	1405.1	499.67
4107	229	95.65	427.19	43.97	681.65	159.06
2956	1228	95.62	193.11	22.49	111.05	29.8
3132	5317	95.43	181.89	215.05	901.47	328.21
3722	20555	95.41	715.43	72.79	338.54	185.99
4127	18038	95.41	467.16	63.12	248.17	89.51
621	19745	95.38	99.56	25.02	50.76	21.91
3929	16768	95.25	944.04	190.49	492.81	159.7
2868	2578	95.25	272.19	47.09	159.57	48.78
4165	16398	95.22	838.24	78.73	526.84	136.93
3384	23625	95.11	160.55	41.09	45.23	48.87
2803	5545	95.11	714.79	72.43	1493.51	572.93
3472	20915	95.03	1313.8	284.04	531.71	362.55
3836	17154	95.03	326.26	33.47	187.97	79.13
3653	5497	95.01	302.96	76.1	643.97	187.41
3000	14881	95.01	824.95	105.88	1706.66	634.99
3299	8182	94.82	871.88	109.32	1457.33	334.65
3990	5656	94.8	76.56	16.77	42.19	15.65
3428	19679	94.64	131.94	49.53	391.59	140.4
379	23341	94.56	428.66	93.95	228.08	71.68
4006	18450	94.56	754.88	111.71	495.19	106.22
4104	18000	94.53	1059.79	80.09	2096.81	679.22
2870	727	94.5	331	55.85	203.28	51.2
2979	427	94.45	732.56	78.66	1724.04	780.34
3368	22062	94.32	166.82	26.32	105.54	30.57
3260	24771	94.29	841.62	46.86	1108.61	317.98
2775	21653	94.26	397.39	37.89	264.16	91.36
3555	25070	94.24	764.46	66.27	498.99	128.62
612	3381	94.21	184.88	20.55	113.23	34.14
3044	4199	94.18	689.97	29.54	893.18	205.57

4219	670	94.03	727.07	106.28	1210.03	266.48
380	18862	94	44.53	6.32	21.5	12.04
452	15509	93.84	46.68	7.51	21.04	14.43
3495	20925	93.84	1461.37	365.1	414.81	435.73

TABLE 5DDD: ZILEUTON				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 336 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
168	12160	98.75	7049.53	2423.91	1101.72	1254.05
2942	12158	98.62	2623.32	1124.57	225.26	524.54
2988	25056	98.59	4347	1047.8	923.79	688.04
2981	25055	98.57	2568.71	1000.72	234.9	526.29
2935	12156	98.54	4725.66	1494.11	488.2	822.73
2919	12155	98.54	3997.37	1348.04	620.7	636.62
2936	12157	98.52	5418.34	1701.38	560.2	941.63
2851	20384	98.46	1258.91	451.47	160.04	234.17
3156	17541	98.25	4122.13	645.37	1622.64	625.17
3221	1794	97.8	5921.92	879.55	2161.6	1257.05
3073	488	97.77	113.29	13.39	147.9	741.02
2989	24860	97.67	1533.76	435.67	386.9	264.48
3268	11153	97.43	302.31	17.99	633.18	202.05
594	11997	97.38	113.98	2.73	200.2	86.33
3236	20864	97.16	1811.73	558.08	467.01	372.74
420	15987	97.06	68.73	8.82	24.96	42.45
135	1802	96.37	208.98	6.44	321.96	108.59
3074	20704	96.24	3005.8	695.86	1299.1	844.05
3221	1793	96.21	2578.39	462.13	1155.56	613.07
3221	1797	96.16	4275.97	726.03	1788.44	1021.62
3251	21015	95.78	5834.15	1056.99	2918	1037.35
956	21878	95.33	201.63	11.18	140.54	80.14
3251	21013	95.23	5773.43	1055.86	2605.07	1205.03
3634	635	95.15	2637.24	224.54	1570.84	483.79
4030	21904	95.04	6866.44	1205.63	2993.81	1581.59
2466	15193	95.04	274.87	66.27	151	53.77
821	21798	95.04	2542.62	180.76	1776.69	360.08
1011	23766	94.99	199	16.21	113.32	52.81
3829	15615	94.91	7738.05	706.95	4719.56	1505.03
113	21389	94.8	49.8	4.87	87.08	25.01
3528	15755	94.75	495.81	35.13	741.17	180.89
1565	6941	94.7	165.41	46.43	36.89	60.91
1019	12447	94.7	154.27	32.16	63.49	36.1
2991	25400	94.59	4079.57	968.53	1666.1	929.6
2142	15382	94.35	174.96	17.64	165.12	304.79
3849	17092	94.33	149.48	31.94	80.58	46.43
691	12094	94.3	7548.3	429.47	4834.13	1824.08
1136	3168	94.3	73.46	17.54	30.85	21.39
537	15576	94.27	134.04	14.94	237.94	70.14
1881	24323	94.27	625.41	83.52	415.95	106.98
3473	8212	94.19	3634.2	606.95	1975.78	726.02
3634	634	94.01	2302.21	161.08	1531.06	420.16

2570	15955	93.74	364.6	52.52	193.82	94.51
1071	2095	93.66	102.24	7.12	167.36	54.45
3988	7394	93.5	754.82	17.61	690.57	201.42
3046	1430	93.29	216.29	42.2	90.49	69.52
3634	25525	93.11	1995.66	211.43	1346.43	366.4
1615	10093	93.11	715.8	95.65	427.98	160.23
72	12060	92.97	52.98	6.24	91.21	25.84
1510	5856	92.95	64.9	15.13	162.39	65.65
2838	14882	92.9	2041.58	188.35	1297.84	415.27
3058	23698	92.87	541.8	79.14	358.14	408.1
701	4689	92.87	91.62	26.32	25.42	41.94
947	22729	92.84	64.69	19.63	183.14	79.91
1919	9654	92.71	100.5	13.53	37.7	64.46
1762	9190	92.55	1616.03	203.99	1015.38	357.98
4221	21123	92.52	1410.22	101.77	945.02	278.86
605	16367	92.5	2207.43	158.42	1414.91	543.59
626	3879	92.5	3124.06	400.75	1886.02	618.42
1285	16701	92.44	3476.03	509.13	2271.14	715.55
759	21735	92.36	219.32	24	349.13	105.91
1407	3957	92.34	61.7	7.96	117.19	52.9
2264	24049	92.31	2284.63	444.4	1516.14	458.49
1935	9373	92.26	60.92	6.06	130	71.99
41	16696	92.23	61.34	4.85	101.84	32.55
3685	4314	92.21	395.31	10.23	455.1	118.3
2437	4092	92.21	510.42	41.8	314.8	136.43
1637	6906	92.1	44	7.42	78.11	30.05
921	24521	92.1	5657.88	409.43	3784.13	1233.76
3058	23699	91.86	853.36	73.03	642.8	308.52
926	21382	91.76	95.72	16.75	181.29	63.63
1043	20333	91.6	37.04	2.81	26.53	26.22
2027	6479	91.6	749.74	38.93	1044.6	395.54
299	3924	91.6	528.14	72.69	326.04	114.78
1376	24022	91.49	57.89	5.43	88.38	26.56
1121	2939	91.49	347.15	59.18	207.37	81.76
343	17382	91.38	398.31	44.67	273.83	87.9
3473	8211	91.38	4574.94	1008.15	2364.72	1107.37
4045	17995	91.33	2861.29	526.81	1693.58	648.99
4202	25679	91.28	1191.94	97.58	884.29	246.32
2561	19274	91.2	77.85	15.42	148.75	51.44
1185	3618	91.2	211.1	21.6	136.3	51.19
811	5258	91.15	216.39	16.94	300.3	75.59
2603	11815	91.04	68.84	20.56	105.35	23.57
260	18673	91.01	107.51	9.44	177.04	63.72
929	18993	91.01	83.62	10.23	50.42	27.57
3101	18726	90.99	253.79	19.15	362.89	115.54
1658	18322	90.96	70.8	11.12	122.67	187.49
690	18588	90.96	330.89	31.77	236.9	98
3268	11152	90.93	129.76	41.61	334.36	142.44
2119	6637	90.8	361.39	16.71	489.36	135.09
3778	16125	90.77	51.75	5.99	93.98	39.42
2763	1488	90.77	133.21	4.88	168.5	34.13
763	2888	90.72	3496.83	172.02	2672.59	748.08
1140	16619	90.69	198.18	109.62	43.97	59.99

2878	2744	90.64	145.35	5.93	208.2	84.5
638	2480	90.64	126.25	28.47	235.63	74.12
809	22967	90.59	106.23	10.98	166.4	89.23
4118	1478	90.59	265.47	42.82	423.62	119.63
3816	15269	90.59	115.2	11.99	184.77	53.58
4228	10109	90.56	1186.4	50.93	1047.09	223.98
4221	21122	90.51	2353.94	286.81	1522.35	489.09
3599	1175	90.35	1228.26	290.15	628.66	346.89
2839	21051	90.24	70.74	14.28	169.02	87.59
2943	25327	90.22	21.49	1.17	28.09	12.26
597	17581	89.87	61.95	7.28	103.07	34.04
3322	20914	89.86	1572.34	1021.63	232.18	297.9
3823	7927	89.79	177.21	21	286.36	116.7
1233	1995	89.69	1942.75	156.94	1937.53	970.84
3017	17211	89.61	1705.29	114.02	1321.59	433.44
3509	17729	89.61	1101.89	57.21	922.22	213.07
3017	26030	89.58	936.63	65.07	720.16	240.07
3079	16895	89.48	1712.22	108.48	1711.96	562.47
4216	25691	89.48	1076.29	62.67	887.34	307.3
1227	25170	89.34	30.56	3.23	52.32	25.78
4156	904	89.26	36.43	6.32	62.22	20.39
3073	20705	89.2	2761.31	602.99	1021.96	944.59
4118	1479	89.18	170.01	35.69	296.66	95.24
2945	1894	89.13	219.86	20.25	342.91	118.97
91	3692	89.13	80.86	4.5	105.5	33.22
3625	18597	89.1	773.65	66	604.74	200.99
4216	18606	89.1	887.01	70.78	728.93	178.99
3879	5492	89.07	191.37	114.18	35.88	62.26
4238	4441	89	1001.17	53.99	850.89	218.78
489	1133	88.92	112.25	3.93	133.25	29.31
3879	5493	88.91	217.89	73.19	53.87	63.49
3973	16180	88.79	304.21	30.28	448.06	132.54
3268	11150	88.76	66.73	24.89	178.77	93.2
40	20975	88.65	63.58	8.13	111.47	41.34
3250	18989	88.64	3272.51	1346.78	1472.13	681.24
23	17613	88.63	190.44	28.62	307.4	126.5
4255	16300	88.63	108.55	16.49	73.14	28.28
4242	25725	88.62	294.04	72.48	142.28	63.07
3295	17104	88.6	587.61	27.94	542.98	142.81
577	13574	88.52	325.55	14.69	306.09	94.54
601	18887	88.52	79.09	12.39	122.97	39.59
4220	24577	88.49	1128.62	106.44	909.55	233.51
4262	16272	88.47	2086.18	93.14	1823.9	539.07
2953	108	88.41	2812.18	157.19	2173.71	1124.56
3849	17091	88.41	132.37	37.45	44.65	42.14
2955	109	88.28	5865.57	438.1	3927.54	2213.79
3082	4574	88.26	450.94	59.97	618.93	137.89
3471	1069	88.26	2013.49	160.96	1610.1	393.87
2905	21011	88.25	5765.97	1325.15	2350.53	1048.15
2911	4407	88.23	75.97	14.19	144.28	57.75
64	6425	88.18	61.59	15.23	116.7	41.43
77	18400	88.18	22.83	5.45	50.02	24.6

TABLE 5EEE: LPS

Attorney Docket 44921-5038-01-WO

Timepoint(s): 24 hrs

Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
3643	4011	99.87	166.43	57.73	1821.45	677.32
2922	21012	99.79	476.81	16.35	1520.39	567.6
1206	16304	99.79	296.61	51.2	1499.52	504.23
3634	634	99.79	224.82	44.49	1536.28	417.92
3710	16726	99.76	297.93	10.7	792.74	196.34
3634	25525	99.76	172.66	36.36	1350.98	364.18
646	14495	99.74	78.02	13.42	323.78	111.6
3820	24728	99.71	28.74	8.28	261.59	84.08
383	15	99.71	92.36	1.44	44.8	21.18
1514	2997	99.68	88.08	5.9	375.4	119.98
3197	11904	99.68	268.62	16.95	60.15	42.8
3757	9214	99.66	880.52	97.9	273.93	150.19
251	18244	99.66	1182.44	47.71	542.72	137.87
3634	635	99.63	188.18	84.64	1577.16	483.16
4211	20872	99.63	1345.63	38.66	763.45	262.47
1955	22598	99.63	3246.17	212.74	992.6	344.02
3412	574	99.6	251.77	18.84	94.44	165.34
3164	23651	99.6	65.74	17.19	20.61	97.18
959	22042	99.6	6153.73	992.13	233.68	1107.91
4023	9845	99.6	3806.95	827.59	124.33	892.61
436	16416	99.58	288.07	16.78	108.4	60.71
2684	15004	99.58	1695.49	240.53	236.04	142.5
2759	5059	99.55	324.13	47.19	79.53	249.59
327	18580	99.55	1019.69	40.31	224.66	139.63
1803	5969	99.52	362.85	61.79	1180.73	390.03
2989	24860	99.5	32.25	5.22	391.3	272.54
3643	4012	99.44	284.76	99.62	2441.81	1157.15
2884	1641	99.44	275.36	14.85	110.29	51.67
498	9905	99.44	166.04	20.66	648.12	150.08
10	1600	99.42	80.25	4.34	37.92	93.41
2385	3134	99.39	375.27	108.07	38.07	41.15
3472	20915	99.39	98.85	6.27	536.36	365.97
3976	13563	99.36	455.07	25.07	1185.43	356.64
4120	154	99.36	501.9	58.32	165.9	60.49
3097	20589	99.36	125.48	13.65	25.15	26.99
1803	5967	99.34	203.14	33.53	867.88	367.62
276	21285	99.34	1157.81	137.93	100.17	161.93
422	309	99.31	1271.05	75.47	694.09	136.68
3757	9215	99.31	1095.45	215.49	315.14	205.97
2962	25052	99.31	1613.62	302.24	30.62	119.49
3567	1221	99.28	197.14	26.41	32.78	122.89
605	16367	99.28	137.22	105.71	1420.14	541.97
1911	4914	99.28	47.79	18.73	481.47	150.36
3834	15002	99.26	812.99	200.75	139.85	68.61
2353	16081	99.23	580.07	45.01	127.63	197.04
605	16366	99.23	126.39	27.16	798.97	303.77
3584	6911	99.23	57.47	6.74	234.1	74.48

961	1809	99.23	6297.41	1822.96	122.34	681.56
244	6614	99.23	118.9	26.54	907.33	269.4
3004	18618	99.21	1838.27	88.48	1149.65	214.57
2949	3548	99.21	174.92	5.09	79.79	30.13
3989	14964	99.18	161.42	102.69	1006.2	317.11
3057	22512	99.18	354.47	227.36	30.39	59.45
4170	1602	99.18	170.64	16.69	467.13	108.67
4228	10109	99.18	1938.46	117.34	1045.64	220.17
1620	8584	99.15	144.43	32.68	1400.37	635.95
2797	10071	99.13	90.84	33.37	30.7	24.06
1912	22522	99.13	112.21	12.19	248.85	63.35
3067	15741	99.13	317.97	109.01	1252.69	388.68
3156	17541	99.13	316.82	124.41	1633.35	638.47
881	21522	99.13	765.82	52.59	164.35	209.31
2133	11416	99.13	283.22	20.98	115.75	35.97
3711	25802	99.13	516.44	15.56	257.7	80.46
3162	15872	99.13	73.07	25.46	499.66	169.35
687	4636	99.13	457.49	50.41	74.1	125.75
2030	21660	99.13	5230.59	324.32	1744.04	720.76
3309	20529	99.13	1181.01	95.34	129.82	185.65
830	6615	99.1	89.58	20.45	438.68	128.87
3639	20448	99.07	159	29.63	42.64	73.93
3455	6263	99.07	77.77	18.31	292.55	100.65
4290	1561	99.07	1985.06	196.05	870.62	217.06
2705	14767	99.07	69.48	6.08	310.71	115.85
3594	11849	99.07	1291.53	27.15	746.01	163.9
2251	14384	99.07	542.05	32.59	247.13	63.39
2743	2855	99.07	794.02	58.03	420.6	87.21
3447	20249	99.05	78.03	10.56	24.83	20.92
3618	15185	99.05	263.18	54.68	60.65	100.78
4077	24469	99.05	1244.67	166.79	620.92	197.95
519	17333	99.05	148.37	21.45	51.16	34.11
1470	12779	99.05	451.8	238.57	67.96	54.36
1883	8273	99.05	219.01	79.36	43.6	33.76
4197	20810	99.05	2037.68	83.17	1154.93	263.95
3091	18385	99.05	178.44	102.58	21.57	29.85
3057	22515	99.05	4183.61	1044.52	121.12	348.28
3236	20864	99.02	55.18	25.79	472.15	380.76
4049	5920	99.02	67.33	29.28	461.44	217.92
3426	17324	99.02	81.82	19.34	378.9	117.26
3112	24589	99.02	395.8	197.61	55.53	53.19
648	19411	99.02	111.17	7.01	33.82	21.69
2878	25313	99.02	312.92	23.51	99.39	60.94
1854	6823	99.02	814.26	140	251.11	106.22
2104	8215	99.02	873.46	52.7	386.99	135.82
827	23005	98.99	270.87	18	124.39	86.19
2506	20055	98.99	304.31	43.15	67.96	73.87
2000	10984	98.99	79.7	65.47	1058.22	304.87
3497	20944	98.99	1456.36	145.65	619.91	160.17
2654	6532	98.99	317.77	23.11	140.71	43.19
3745	5175	98.97	344.51	77.31	40.15	62.99
1926	4969	98.97	2466.07	420.51	259.82	239.47
3055	1678	98.94	22.06	13.4	124.71	41.32

2878	2744	98.94	510.03	36.96	207.36	83.36
3377	15503	98.91	181.26	37.44	64.23	59.72
340	18001	98.91	196.94	39.51	718.21	179.34
3262	682	98.91	664.18	326.43	109.18	95.85
2925	17284	98.89	66.24	7.09	184.56	54.71
3602	20462	98.89	1386.9	54.08	832.62	161.68
3057	22513	98.89	6801.87	2063.44	24.21	724.48
97	24228	98.89	1963.56	170.96	977.17	260.22
3333	23825	98.89	98.15	18.36	38.05	25.86
3064	7427	98.86	242.61	40.71	32.31	29.32
4226	18611	98.86	2091.17	198.59	1139.38	540.19
3085	16080	98.83	333.96	51.66	71.05	142.79
3133	20354	98.83	352.09	24.78	51.73	57.92
4120	155	98.83	242.82	80.27	41.45	24.98
4226	5667	98.83	1364.04	112.29	816.08	305.28
3318	18750	98.81	372.57	8.69	246.42	71.72
3700	22321	98.73	445.71	89.53	76.62	108.24
381	4178	98.73	79.54	11.94	39.39	54.77
3706	10949	98.73	390.51	153.27	1874.53	687.28
4210	18250	98.73	1694.19	100.64	952.01	198.91
3490	12606	98.7	161.97	57.03	741.43	238.52
4207	1893	98.7	164.59	74.91	31.84	31.29
3653	5496	98.68	113.96	19.27	493.5	154.89
435	20701	98.68	2698.56	266.1	879.33	385.5
2320	1572	98.65	172.32	13.47	73.12	32.33
534	19469	98.62	124.43	69.52	477.5	113.18
4197	25675	98.62	1145.98	19.45	741.67	207.51
4210	25687	98.62	2034.6	159.67	1275.29	658.59
3292	21643	98.6	1666.53	167.12	891.15	220.23
3260	24771	98.57	119.53	97.47	1109.43	314.81
507	20523	98.57	316.37	52.14	48.66	67.77
4206	15626	98.57	2208.57	185.27	1329.28	250.81
3250	18989	98.54	247.79	152.33	1480.44	689.51
3411	20716	98.54	776.01	61.15	1643.73	473.59
4198	15652	98.54	2214.91	91.58	1501.41	366.17
4030	20698	98.54	3387.66	619.21	894.32	433.33
3203	2667	98.52	317.82	43.77	809.25	200.01
3273	1550	98.49	50.78	24.28	431.87	211.34

TABLE 5FFF: Carcinogen-Genotoxic
Timepoint(s): Various

Attorney Docket 44921-5038-01-WO
Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1566	20983	80.16	699.35	155.97	1005.91	291.23
535	4259	78.68	872.19	120.42	688.78	128.81
1989	11576	78.68	42.97	21.82	82.03	29.1
805	23068	78.34	337.97	152.95	602.09	216.21
4087	40	78.21	174.77	72.5	368.49	185.84
444	15372	78.11	235.86	46.01	181.71	55.03
2590	4440	77.92	521.11	171.56	811.07	198.73

1241	20741	77.72	56.74	26.65	21.22	29.83
1538	7903	77.72	30.87	24.61	91.85	73.86
2326	13055	77.69	314.8	83.29	481.93	173.91
2609	3823	77.52	793.93	216.14	520.48	172.77
3024	1246	77.46	42.88	20	79.11	30.1
2050	19728	77.4	309.99	139.76	517.14	159.37
1616	8143	77.15	86.21	47.18	35.73	105.66
1564	5634	76.97	101.03	53.66	35.79	60.92
3509	17729	76.83	1144.04	188.18	916.66	210.39
3953	15029	76.76	1153.7	316.29	1594.83	523.1
3178	20757	76.61	628.44	378.55	265.1	101.02
2881	20984	76.6	907.16	202	1189.53	300.46
159	6015	76.5	1014.49	395.11	1519.13	389.63
3289	15365	76.49	911.59	179.51	707.12	353.7
898	22554	76.42	936.55	345.68	1508.43	434.36
2824	2435	76.31	238.98	44.37	187.81	45.95
1723	9191	76.3	381.39	188.57	700.04	284.22
2519	633	76.23	1035.25	269.13	1345.13	284.78
288	6471	76.01	335.96	97.67	509.97	190.25
3052	729	75.97	133.33	51.18	226.84	81.36
285	16329	75.94	476.38	256.14	255.42	104.07
2278	10611	75.93	140.38	141.73	21.78	29.86
2035	3916	75.89	1137.68	315.72	1549.62	408.07
1101	2569	75.84	696.92	495.63	913.6	280.73
2358	7918	75.77	85.91	26.54	62.72	31.29
2142	15382	75.74	293.92	222.54	161.59	305.54
4126	255	75.59	341.21	92.99	464.88	124.43
1945	22722	75.52	395.48	556.93	22.55	41.68
389	11635	75.5	194.77	69.22	294.23	87.63
3607	16847	75.47	894.72	145.41	712.69	169.88
296	1867	75.38	823.2	173.19	625.16	162.19
3610	20839	75.35	1382.24	215.11	1128.38	213.94
2280	547	75.32	483.82	102.27	371.33	89.89
4003	17549	75.25	841.2	147	651.48	144.29
4228	25702	75.25	634.55	124.24	491.54	177.05
1995	22559	75.24	683.97	197.13	979.9	319.54
1002	23285	75.12	504.92	120.97	356.86	132.69
3768	11403	75.05	397.6	225.11	179.74	198.49
1667	9067	75.03	1013.09	266.39	708.46	235.21
2062	15393	75.01	313.66	64.63	429.1	98.24
2562	13056	74.95	205.08	53.55	289.43	92.14
4228	10109	74.95	1225.48	174.73	1042.6	223.01
3260	24771	74.88	813.83	245.68	1115.47	315.73
128	5934	74.83	232.5	105.47	371.97	166.12
1553	5464	74.82	573.92	273.07	322.1	134.97
1895	22931	74.76	58.34	37.34	140.64	97.53
3609	24615	74.73	1024.85	188.08	829.18	195.6
2250	6473	74.72	100.21	36.16	159.86	60.45
2228	18525	74.71	192.5	144.81	203.43	77.82
2617	15900	74.64	241.59	54.79	184	77.26
2628	7888	74.62	367.74	111.47	262.4	139.88
137	1846	74.56	442.88	87.61	553.88	111.48
3414	18713	74.56	467.98	136.85	329.64	109.36

3801	18795	74.42	805.43	297.81	534.59	197.41
4238	4441	74.41	1020.22	174.79	846.69	217.89
3801	11830	74.31	988.21	424.5	615.36	243.9
864	22370	74.21	181.13	49.71	269.95	104.72
3986	17533	74.18	198.65	90.33	308.74	124.97
2687	11644	74.18	570.25	242.53	861.41	219.77
1691	9012	74.15	447.75	242.26	707.87	273.4
2233	23299	74.11	364.84	199.84	198.53	145.93
4227	17175	74.09	866.87	216.39	606.64	164.99
1965	12030	74.06	130.76	41.74	88.56	26.4
1164	3367	74.04	765.01	229.59	526.96	195.19
3933	20879	73.95	339.87	222.19	630.85	268.79
628	20986	73.94	200.11	64.05	342.36	172.2
1911	4914	73.93	336.27	135.21	484.55	150.01
1182	3411	73.88	1506.3	275.64	1799.96	454.13
2143	15842	73.84	225.78	49.2	179.93	50.04
767	21458	73.78	558.82	240.46	395.15	291.91
2096	15684	73.77	535.32	171.5	357.54	133.92
3846	20939	73.73	254.05	59.42	205.48	70.48
234	6190	73.65	111.15	26.5	138.78	31.34
1151	20712	73.56	827.09	243.59	1121.96	381.01
3859	15135	73.56	982.15	194.11	784.61	186.24
4230	25705	73.48	1130.61	452.71	732.69	175.44
3189	17394	73.44	484.24	156.91	338.77	141.41
2109	16005	73.42	497.67	98.02	402.72	80.72
3601	23854	73.42	605.72	142.51	448.39	148.54
4215	20427	73.37	957.46	132.45	788.39	160.54
1756	7074	73.36	95.53	88.43	90.31	47.48
2531	13966	73.35	242.42	97.55	173	40.64
3582	15700	73.35	321.6	97.74	452.04	123.03
1755	9475	73.35	562.32	280.75	867.4	305.84
1709	22930	73.32	247.44	200.56	546.96	351.23
2018	4091	73.25	471.63	134.48	340.62	93.48
3276	2150	73.17	645.2	130.14	786.17	162.88
1709	22929	73.15	542.45	417.96	1259.22	787.08
2115	3266	73.15	205.41	44.72	156.16	36.08
1535	2901	73.15	79.07	22.22	104.35	30.98
2761	11404	73.08	362.81	158.8	217.06	125.26
816	22928	73.07	126.54	87.09	288.07	184.84
659	10540	73.05	53.88	42.58	23.14	16.86
3414	18715	72.97	257.87	78.53	194.8	76.01
3154	11136	72.96	449.61	137.53	312.81	116.46
3986	17532	72.95	330.59	135.24	497.36	166.67
2903	3815	72.94	128.87	50.95	78.63	23.37
4008	15239	72.88	779.22	133.42	624.37	246.85
3010	17123	72.87	149.5	49.66	107.58	35.69
2193	6782	72.84	288.69	61.6	232.13	63.15
63	16730	72.74	48.09	28.3	24.39	24.83
1206	16304	72.71	1105.36	317.54	1507.83	506.73
3856	24778	72.7	577.7	564.8	98.97	234.12
3287	10503	72.68	479.94	104.93	582.57	128.92
2973	13682	72.64	221.24	64.44	152.63	61.18
3645	28	72.59	545.87	233.72	811.63	265.75

3321	20600	72.47	274.75	204.7	605.42	332.11
3931	20707	72.28	348.78	144.24	613.33	299.66
2824	2434	72.26	42.02	12.88	30.15	12.8
3856	25321	72.2	409.66	421.38	59.37	156.4
3537	20801	72.17	97.75	51.86	62.18	46.61
115	19103	72.14	747.67	437.88	744.26	226.84
3981	14822	72.1	209.5	82.11	139.33	51.2
3291	5351	72.09	721.41	124.07	589	116.71
4077	24469	72.05	785.62	215.18	617.71	197.63
3107	21087	71.96	35.31	17.36	68.51	36.42
3599	1175	71.93	353.24	183.01	638.24	348.68
4253	405	71.89	804.08	162.67	945.58	196.85
3321	20601	71.86	516.59	324.59	981.19	455.85
3344	356	71.8	200.16	169.71	144.6	59.51
3513	24434	71.79	145.61	68.25	235.38	100.01
4045	17995	71.7	1117.11	606.29	1713.35	645.83
3649	9620	71.7	646.71	130.02	530	110.43
3600	12639	71.68	1259.44	170.87	1097.73	174.38
3673	16204	71.68	962.07	191.09	763.75	201.3
1210	17963	71.67	72.41	33.08	107.45	45.15
3909	21842	71.57	305.78	167.14	570.47	294.85
3134	8829	71.53	313.15	162.13	194.22	107.88
639	13088	71.5	876.21	410.92	1286.69	436.77
3953	16993	71.4	851.77	188.69	1063.49	297.04
4020	15703	71.37	168.61	83.18	132.73	49.27
3450	20299	71.36	502.59	257.3	731.57	247.08
1737	1501	71.36	653.34	199.83	498.08	251.52
3042	1529	71.34	470.01	105.5	572.8	127.8
2258	1169	71.32	92.59	38.7	62.31	33.89
3924	14959	71.29	706.04	185.41	533.74	172.72
4092	15462	71.27	441.23	94.56	548.25	119.8
3116	16306	71.25	827.04	217.7	1107.54	253.09
656	23240	71.25	326.07	66.79	269.57	66.49
3993	18867	71.23	633.39	190.27	831.22	221.77
3573	24648	71.22	70.9	18.08	93.54	28.64
600	17589	71.17	55.66	27.94	32.99	34.18
4211	20872	71.17	1105.67	418.43	755.24	251.63
3154	11137	71.16	581.96	177.06	409.74	155.78
581	19086	71.07	202.28	100.76	120.19	67.66
145	2696	71.02	774.12	182.13	616.08	158.96
3958	17758	70.99	152.5	72.7	369.15	378.61
3295	17104	70.96	714.4	187.94	538.37	138.23
3445	17101	70.85	245.79	88.54	181.78	63.4
4041	10545	70.77	334.5	136.91	215.02	84.92
3214	13282	70.54	182.55	50.18	226.06	78.52
3584	6911	70.53	170.87	69.42	235.47	74.25
4158	794	70.5	625.94	167.38	806.91	228.44
2985	17086	70.49	162.73	43.06	120.13	46.89
3604	20807	70.44	1084.34	174.14	905.22	211.25

TABLE 5GGG: Carcinogen--Non-Toxic

Attorney Docket 44921-5038-01-WO

SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1709	22929	86.31	202.65	243.15	1271.54	777.33
1895	22931	82.75	27.9	25.98	141.8	96.72
639	13088	82.6	686.52	381.81	1293.6	430.3
1709	22930	82.38	123.6	112.23	551.55	348.45
2715	19732	82.27	426.53	242.61	1003.1	464.66
3247	1698	82.13	715.86	416.64	195.56	183.03
2519	633	81.83	984.91	212.98	1347.51	283.97
2195	19363	80.87	745.28	464.57	1931.43	893.41
1925	2296	80.74	542.9	191.42	900.05	268.12
2239	5460	80.36	49.99	27.29	98.71	37.23
2687	11644	80.18	542.13	201.52	863.06	219.23
1845	2297	80.15	547.96	208.15	931.75	310.44
636	12312	79.77	642.76	214.86	982.24	263.15
1985	5874	79.7	74.06	27.43	121.86	51.4
3202	17401	79.4	202.67	90.98	440.15	216.71
3389	6017	79.37	188.49	230.04	799.56	501.54
3710	16726	79.2	570.05	132.38	798.45	195.2
816	22928	79.12	73.4	57.4	290.13	183.52
3450	20299	79.09	405.03	217.32	735.16	244.53
3629	6673	79	519.07	180	807.13	245.06
2590	4440	79	480.57	182.55	813.1	195.97
2852	2515	78.96	413.28	122.61	623.77	181.24
3775	25443	78.73	753.02	293.07	1128.42	333.11
1880	2484	78.49	117.26	92.32	363.06	222.07
2238	7697	78.44	286.4	90.97	456.25	149.18
2635	13294	78.2	491.42	124.88	343.94	103.87
1723	9191	78.18	333.99	195.47	702.36	282.05
3273	1551	77.99	628.31	302.15	1038.16	365.32
1592	5873	77.84	208.91	105.22	322.46	110.47
2228	18525	77.75	132.21	104.11	205.3	78.51
4228	25702	77.64	655.42	142.03	490.51	176.05
2560	2587	77.62	1087.03	364.45	1666	451.19
1581	5711	77.52	622.81	297.26	1082.92	334.1
1457	2799	77.5	230.09	144.75	500.08	222.88
3993	18867	77.47	677.46	435.28	830.41	212.11
1923	14512	77.46	582.78	262.42	1069.95	371.04
67	20998	77.43	980.81	472.73	1254.99	328.95
996	14510	77.39	1876.72	770.4	3284.35	1189.09
3364	1173	77.32	802.93	643.06	1595.45	690.58
2970	32	77.28	214.07	60.12	299.71	82.68
3330	12524	77.27	518.08	136.59	389.04	109.44
3673	16204	77.11	972.01	210.14	762.9	200.18
159	6015	77.04	978.18	432.57	1521.61	386.02
3513	24434	77.01	118.64	62.4	236.44	99.22
2993	21052	76.99	160.04	82.51	295.08	107.92
3323	15141	76.99	210	49.83	144.06	46.64
1173	19458	76.95	316.27	152.68	507.89	142.85
4090	357	76.82	54.64	44.55	75.02	34.01
1737	1501	76.76	680.6	198.7	496.82	250.98
3749	21977	76.71	497.11	152.13	713.85	219.55

2611	14103	76.69	160.55	71.08	269.12	112.4
1182	3411	76.59	1332.3	361.54	1806.07	447.92
1214	23417	76.56	337.52	112.64	226.74	68.65
2609	3823	76.48	696.96	185.24	522.69	176.92
3976	13563	76.46	1272.5	1063.56	1181.18	312.74
1692	9016	76.41	1605.31	1194.36	2662.59	971.34
157	6007	76.37	426.96	77.88	554.92	111.97
3287	10503	76.36	455.68	101.8	583.59	128.28
1738	9336	76.17	114.48	64.74	276.17	169.66
1815	17850	75.94	504.84	132.42	376.73	95.85
2018	4091	75.94	470.39	101.29	340.3	94.39
3931	20707	75.81	453.29	493.23	610.87	290.64
710	17849	75.78	1570.36	493.86	1069.97	305.55
2618	19470	75.75	334.94	132.9	513.28	149.42
2245	14738	75.65	940.09	234.19	1342.28	357.93
2552	4093	75.62	725.12	144.3	565.89	161.11
1101	2569	75.55	677.8	411.57	914.77	283.28
2144	23390	75.5	673.73	232.49	440.42	149.99
2518	2299	75.49	214.32	101.04	359.78	126.42
4118	1478	75.46	289.8	109.15	427.18	117.78
4211	20872	75.26	958.3	204.21	758.78	262.97
2974	6406	75.26	125.54	80.07	56.2	78.4
3949	17887	75.22	822.69	360.31	1166.09	312.15
3743	4090	75.2	790.43	147.59	601.11	150.05
3557	19993	75.17	523.53	141.7	394.77	187.13
1273	26123	75.12	484.05	206.18	286.56	147.67
2252	5943	75.07	328.64	183.9	655.3	309.44
3237	23362	75.03	367.93	155.31	210.62	68.03
4038	23070	75.01	138.72	31.01	104.6	28.91
22	15654	74.95	474.6	162.84	320.1	145.23
2930	20430	74.9	480.93	246.6	834.64	378.27
274	17179	74.89	123.13	43.67	83.31	41.87
3620	20862	74.83	170.81	66.32	275.48	96.48
2761	11404	74.77	346.74	157.49	217.16	125.51
2146	17049	74.76	229.42	98.95	340.73	98.41
1381	3995	74.75	1188.34	436.49	1635.65	371.62
3679	24811	74.72	981.08	431.27	1520.23	449.47
900	22558	74.7	2457.9	548.19	3224.82	776.48
4158	794	74.65	580.03	190.24	808.8	226.58
4290	1561	74.64	608.51	210.01	881.05	218.39
2628	7888	74.59	350.2	109.39	262.65	140.26
242	22820	74.59	503.78	208.71	306.29	127.03
4033	6824	74.52	766.23	366.65	405.29	201.16
355	6390	74.47	113.7	53.01	59.45	38.3
772	23448	74.44	2363.27	1438.39	1051.79	811.05
2003	14962	74.38	493.78	167.48	409.25	114.02
296	1867	74.34	829.89	194.73	624.42	160.84
2548	14007	74.26	151.2	37.63	206.51	64.51
4238	4441	74.25	1007.74	178.02	846.6	218.02
2570	15955	74.24	144.38	137.03	195.89	92.94
4228	10109	74.11	1278.13	244.78	1040.49	219.4
2029	20466	74.06	293	99.2	431.14	148.29
3601	23854	74.05	625.85	175.43	447.35	146.56

3276	2149	73.99	737.52	211.62	978.87	219.16
3260	24771	73.92	782.11	295.53	1117.26	313.23
3205	16684	73.89	557.07	248.27	349.5	137.39
3344	356	73.83	112.43	92.51	147.13	64.24
3483	8984	73.79	259.82	81.37	178.26	56.75
4239	13646	73.69	981.81	229.01	741.19	192.24
3273	1550	73.66	224.43	157.87	437.37	210.13
3086	17292	73.65	513.55	224.67	758.44	246.74
4118	1479	73.54	209.56	82.63	298.91	94.51
3326	1447	73.54	297.12	61.7	239.48	59.43
3426	17324	73.53	266.43	79.83	381.68	117.25
4268	25747	73.47	582.23	229.47	421.39	232.45
3679	24810	73.37	236.63	127.1	422.34	148.72
1241	20741	73.34	59.11	43.76	21.05	29.08
3042	1529	73.27	449.84	139.42	573.7	126.21
3299	8182	73.2	1114.17	340.22	1464.93	330.86
3328	15535	73.14	665.35	137.93	516.19	134.91
541	8317	73.14	376.97	158.53	643.26	219.6
3421	15335	73.07	508.46	165.1	359.73	151.62
3747	17473	73.04	353.48	142.47	227.44	93.48
3236	20864	73.03	1059.38	686.68	453.34	352.78
97	24228	73.02	772.77	127.78	985.56	264.52
389	11635	72.98	198.14	66.56	294.4	87.69
3457	10509	72.96	95.38	35.94	139.78	54.12
4216	18606	72.92	948.1	210.63	722.76	173.7
3924	14959	72.83	749.08	210.81	531.96	170.07
2930	20429	72.81	390.99	171.02	631.51	260.07
3965	23321	72.68	255.86	108.44	237.45	63.41
3276	2150	72.65	638.05	142.4	786.77	162.3
2867	9134	72.46	588.63	132.56	469.81	104.59
3749	25480	72.46	421.15	151.83	611.36	191.9
2995	2505	72.44	552.09	200.64	759.15	189.26
3224	22582	72.41	297.74	125.32	441.85	141.39
3324	5749	72.4	265.17	70.18	195.41	85.11
2903	3815	72.39	104.79	28.13	79.23	25.37
3673	16205	72.34	1370.36	314.88	1090.44	256.99
3633	24645	72.3	292.1	102.19	400.77	171.29
2974	6405	72.26	61.65	28.48	39.31	34.42
3702	4748	72.22	870.64	350.08	1197.05	350.11
3327	3254	72.21	362.51	115.54	253.72	87.89
4190	21054	72.19	305.12	160.26	522.03	206.99
3010	17123	72.18	144.86	42.38	107.6	36.01
2868	2578	72.12	218.28	69.5	158.33	47.55
4227	17175	72.11	854.18	223.44	606.32	164.58
4208	25686	72.08	904.7	224.67	716.42	183.96
2933	293	72	146.02	67.63	238.27	84.09
472	9136	72	441.84	113.66	335.26	86.94
574	16507	72	123.55	29.96	93.01	34.31
4003	17549	71.96	794.93	142.99	652.37	145.68
3325	3987	71.94	342.64	83.07	267.98	77
578	18906	71.94	57.48	49.51	82.24	35.68
2831	20056	71.94	77.77	27.94	110.46	33.73
3268	11153	71.89	459.58	195.06	637.39	200.55

535	4259	71.88	828	158.81	689.63	128.92
3582	15700	71.84	328.33	95.82	452.19	123.16
4041	10545	71.84	320.5	112.94	215.12	86.12

TABLE 5HHH: CHOLESTASIS				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1241	20741	92.14	90.08	35.85	21.19	29.08
159	6015	91.66	744.06	225.7	1516.55	389.35
898	22554	91.2	667.59	247.27	1504.96	432.76
1969	23183	90.91	94.02	27.25	217.85	90.97
1566	20983	90.75	540.44	138.88	1004.27	289.02
2338	16703	90.59	706.11	95.31	1175.97	383.92
2494	6560	90.34	229.23	83.61	85.02	40.56
23	17613	90.29	494.29	84.97	304.32	124.95
1273	26123	89.7	529.03	110.36	288.98	151.21
2251	14384	89.38	385	62.18	245.77	62.65
4239	13646	89.19	1093.26	133.75	743.32	193.95
3434	19824	88.82	95.83	93.65	377.21	161.39
3295	17104	88.71	834.27	167.68	538.9	137.83
3260	24771	88.44	726.33	139.91	1112.86	316.28
3117	24707	88.25	620.55	153.06	1269.92	452.54
300	8872	88.2	716.19	111.07	490.95	240.53
3205	16684	88.17	673.37	172.01	351.04	140.57
744	4944	88.12	219.69	53.41	126.98	121.64
972	11231	87.96	818.71	78.36	630.9	136.28
4228	25702	87.88	703.29	94.66	492.38	176.47
2831	20056	87.8	61.19	18.18	110.19	33.69
1692	9016	87.69	1099.32	593.71	2653.47	981.88
2598	21871	87.58	497.12	102.43	321.25	77.28
2635	13294	87.55	529.85	77.35	345.67	105.58
3866	16809	87.45	63.15	19.66	29.36	25.68
4216	18606	87.45	1009.46	159.18	725.38	176.03
639	13088	87.45	523.66	325.72	1286.51	433.05
2261	3528	87.42	159.44	68.9	42.47	39.22
3859	15136	87.1	851.83	155.61	584.48	293.28
3924	14959	87.04	816.62	149.36	534.36	172.37
2618	19470	87	318.75	59.8	510.74	151.17
3809	23305	86.51	148.99	27.65	91.22	45.71
1029	24012	86.4	1706.26	780.38	400.68	296.15
2531	13966	86.4	247.11	39.78	173.83	43.76
3116	16306	86.32	675.36	164.39	1106.12	252.13
3389	6017	86.22	118.77	172.59	791.07	503.2
3901	17956	86.13	95.77	20.76	57.69	18.97
1416	7247	86.08	236.37	62.85	144.26	87.67
303	4490	86.06	461.78	90.27	303.75	139.97
214	9402	86.05	279.04	50.68	186.55	52.26
3024	1246	86	31.81	17.01	78.8	30.07
4209	23987	85.89	320.62	95.39	168.04	66.42
3434	19825	85.89	90.39	100.04	358.83	160.28

3949	17887	85.87	737.88	132.89	1161.98	316.82
2454	24013	85.81	166.12	57.09	61.55	62.16
789	16945	85.79	914.03	98.23	717.83	140.17
4033	6824	85.73	620.78	139.94	413.01	216.13
2340	22258	85.71	31.08	6.44	58.56	21.86
4041	10545	85.62	353.1	66.1	216.28	87.59
2503	23013	85.62	322.24	44.23	230.85	71.33
1581	5711	85.46	512.83	219.43	1077.36	336.81
1101	2569	85.43	436.6	171.55	914.58	286.29
4041	10544	85.38	257.71	40.73	178.71	71.27
2096	15684	85.27	623.14	133.04	358.56	134.49
698	4674	85.2	245.09	107.99	553.94	205.62
311	19211	85.19	202.33	58.11	118.63	48.13
22	15654	85.19	512.05	126.73	321.96	146.64
3291	5351	85.11	771.9	108.26	589.97	117
556	13647	85.09	1506.26	242.56	1015.34	335.18
3622	12313	85.09	803.88	1203.15	3739.92	1814.05
3445	17101	85.08	303.37	64.91	181.77	63.38
2881	20984	85.01	788.04	223.93	1187.62	298.92
3809	15090	84.98	98.5	12.85	70.45	24.28
1403	16783	84.98	96.08	41.76	28.43	39.83
3401	23491	84.97	316.82	108.47	137.45	62.47
4227	17175	84.95	983.14	170.88	608.3	165.88
1313	3665	84.95	325.86	73.28	197.48	75.25
1080	23714	84.95	236.21	68.5	104.55	57.21
1191	3705	84.9	114.33	34.32	60.36	26.44
160	6016	84.88	1292.73	333.16	2110.3	767.22
2014	20891	84.87	193.24	43.34	105.03	53.22
2874	970	84.84	412.68	209.81	98.53	101.64
2422	13729	84.82	382.69	85.3	202.69	94.02
1709	22929	84.82	222.73	282.8	1254.63	783.31
2715	19732	84.74	451.41	140.89	993.78	468.51
2429	18612	84.73	190.71	55.59	100.53	36.94
1005	11050	84.71	838.82	127.28	596.09	192.37
191	7690	84.66	238.76	91.24	60.07	120.66
3884	969	84.65	221.39	116.26	54.63	60.9
799	3794	84.65	98.73	36.78	31.72	46.53
2322	11660	84.58	132.32	20.04	95.48	33.62
2895	12613	84.55	155.89	38.68	96.23	46.52
943	12585	84.52	893.65	169.22	605.13	137.5
2146	17049	84.47	209.93	47.28	339.28	99.57
3431	22916	84.45	529.34	78.41	346.84	147.33
1723	9191	84.42	245.63	155.17	697.91	283.09
3743	4090	84.42	830.26	105.56	603.48	151.54
4208	25686	84.39	1008.27	167.91	717.85	185.05
3317	17502	84.36	150.71	46.17	82.47	49.96
162	3757	84.34	138.56	33.71	78.23	40.92
1060	8430	84.2	106.84	22.53	62.05	26.66
3189	17393	84.17	246.82	65.21	139.52	81.33
3200	17174	84.17	77.26	26.33	42.58	17.86
4110	22196	84.17	86.58	25.8	47.5	31.75
2609	3823	84.17	759.08	172.82	524.5	177.51
2855	16610	84.15	256.08	55.99	146.34	74.84

2035	3916	84.15	984.74	203.68	1546.53	408.03
4237	25718	84.14	685.09	130.78	433.33	109.06
309	21466	84.13	3525.99	1023.2	6579.04	2976.48
3344	356	84.02	63.78	32.89	147.29	65.08
4077	24469	83.99	818.37	140.61	619.4	199.26
3554	20380	83.94	75.74	35.74	170.48	70.01
3673	16204	83.88	1044.4	175.43	765.11	201.21
3483	8984	83.83	273.94	46.55	179.32	58.33
3010	17123	83.8	160.3	29.04	107.96	36.32
3673	16205	83.8	1480.52	214.2	1093.2	259.7
1870	18277	83.77	949.13	94.46	737.39	140.15
3142	16947	83.75	772.85	169.41	1158.46	321.33
3450	20299	83.69	338.61	214.95	730.99	246.16
3884	968	83.66	493.11	219.76	171.58	122.72
3657	24235	83.61	475.37	123.19	327.74	169.14
2833	23220	83.53	143.64	48.36	83.95	29.08
3647	18318	83.53	210.02	85.94	86.19	63.17
3620	20862	83.51	145.45	46.39	274.22	96.68
3775	25443	83.51	731.83	177.75	1122.89	336.53
1875	4235	83.43	491.5	85.11	325.66	121.73
3369	18573	83.37	187.56	28.65	132.44	33.53
1232	8426	83.34	60.2	17.67	37.11	20.62
3411	20716	83.27	1114.83	155.81	1649.53	473.56
3626	4234	83.18	779.09	129.56	613.91	299.98
1223	1308	83.18	57.53	26.59	20.45	17.92
73	18180	82.94	38.58	11.4	23.37	11.04
28	17688	82.81	81.87	20.5	55.67	29.7
2999	20464	82.63	1202.81	204.66	1789.09	559.04
574	16507	82.62	138.35	26.65	93.27	34.26
3860	18798	82.62	84.4	15.86	60.37	16.98
3199	17894	82.61	118.25	55.13	46.28	18.26
63	16730	82.57	52.77	17.55	24.62	25.08
112	21380	82.54	90.54	18.05	70.02	33.3
4072	25518	82.54	54.64	19.36	26.76	17.29
3236	20864	82.4	841.24	309.89	465.92	379.19
4011	16592	82.37	137.3	76.17	58.32	22.21
4215	20427	82.35	998.48	99.21	789.97	160.98
3649	9621	82.18	450.87	102.44	279.24	78.97
2266	14989	82.16	416.45	85.91	246.2	70.72
3936	4957	82.02	252.69	122.51	93.68	47.12
371	14124	81.93	87.57	23.21	53.83	62.64
3183	19110	81.92	209.34	79.55	100.76	104.09
3737	23895	81.92	104.84	31.06	57.01	19.33
4179	9842	81.82	1116.05	196.07	1609.83	413.06
4003	17549	81.79	859.77	122.88	653.65	145.85
3205	16683	81.68	135.69	38.68	75.48	34.7
469	18582	81.57	352.54	70.95	230.71	71.08
637	21980	81.46	825.23	217.56	501.52	157.27
3649	9620	81.46	691.46	102.17	530.85	111.08
1232	8427	81.44	71.94	23.53	31.97	25.04
33	16959	81.44	455.11	81.09	337.01	83.24
3408	24626	81.44	1300.08	141.79	1766.27	394.06
3190	9917	81.4	123.12	58.62	48.55	17.15

436	16416	81.33	153.16	43.15	108.14	61.2
3817	13369	81.31	215.38	31.05	165.73	42.32
3816	15269	81.31	260.07	39.98	183.46	53.04
3881	23307	81.23	92.72	18.81	67.45	26.26
3727	18492	81.17	254.19	55.76	173.22	62
3222	19949	81.14	213.35	57.75	145.42	41.98
3325	3987	81.04	376.65	54.58	268.65	77.43

TABLE 5III: HEPATITIS				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2654	6532	85.19	223.44	59.41	138.34	40.54
3309	20529	84.65	685.88	500.38	113.59	138.52
2169	13353	82.6	171.98	81.96	288.76	56.48
3133	20354	82.57	223.1	148.24	46.67	43.96
2229	21740	81.59	1448.49	618.99	715.13	252.93
1926	4969	81.5	904.09	601.25	243.18	209.99
3057	22515	80.96	1196	1162.05	94.19	281.83
1805	19769	80.58	1257.27	435.1	740.27	235.92
3143	960	80.5	131.11	51.24	218.3	64.52
2217	2161	80.33	1075.21	600.78	346.34	227.87
4030	20698	80.3	1903.78	966.73	866.13	377.41
1174	3773	80.19	205.25	126.8	63.46	51.98
3877	17709	80.19	102.6	51.82	35.96	40.49
2476	12587	80.14	48.63	39.86	111.33	47.26
1268	3121	80.11	443.89	231.43	830.94	241.08
1986	13167	79.98	76.27	20.48	115.28	31.01
370	21025	79.98	32.06	41.16	90.49	50.94
648	19411	79.92	93.71	56	32	16.5
435	20701	79.89	1739.07	815.35	854.66	336.97
1335	22619	79.87	518.38	182.48	293.49	105.78
3741	12577	79.78	547.97	398.82	145.74	108.54
246	21125	79.62	94.31	73.69	222.98	91.57
551	4244	79.6	93.61	33.17	155.43	48.67
2652	21281	79.54	208.78	63.76	310.16	78.18
1410	24200	79.37	955.52	460.95	423.15	223.45
1336	26133	79.35	453.37	246.61	184.07	211.62
2664	17664	79.26	619.55	303.89	269.89	142.81
2104	8215	79.18	640.26	221.32	379.61	125.48
3866	16809	79.13	94.45	67.95	27.69	19.96
2225	11536	79.08	300.55	93.01	508.41	193.96
1341	14491	79.07	250.4	82.02	155.54	63.55
2089	17591	78.99	222.63	90.4	126.46	38.38
2779	15170	78.91	110.06	56.54	199.04	54.54
3644	18389	78.86	53.99	32.24	20.78	29.03
866	22017	78.75	280.47	150.04	120.99	87.23
2111	21209	78.74	273.68	209.93	77.74	69.54
1321	10532	78.64	431.38	138.95	274.62	87.95
1654	8522	78.61	356.62	203.78	143.76	58.49
3567	1221	78.58	393.01	336	21.14	86.43

602	9053	78.56	31.52	31.1	75.91	32.25
1787	14208	78.56	82.48	35.65	142.67	50.27
1271	22018	78.55	300.65	112.77	170.83	85.85
17	18159	78.37	136.04	53.91	74.52	74.28
1489	7451	78.28	1775.99	568.64	1119.65	275.04
648	19410	78.28	143.96	40.96	86.38	28.24
3037	1223	78.28	235.78	82.05	134.5	79.38
1085	2430	78.25	66.49	41.52	22.48	26.71
2465	15426	78.1	192.78	42.26	268.57	62.27
787	24225	78.04	291.99	74.98	386.24	86.65
2230	2557	78.03	66.88	28.9	34.66	15.3
2127	11205	77.99	664.5	183	929.43	242.75
935	6720	77.98	140.71	111.52	28.02	95.66
2371	22569	77.96	88.79	42.82	150.58	55.53
576	11202	77.95	86.3	29.93	54.75	17.96
1440	21073	77.6	373.06	105.13	248.97	69.63
2575	14502	77.6	233.68	61.43	165.14	45.27
618	13332	77.58	121.59	76.28	232.63	81.86
2674	23583	77.38	136.19	75.07	55.12	36.14
3357	5622	77.38	2247.02	593.25	1573.74	347.68
2420	8917	77.38	102.79	62.89	40.81	40.57
194	19729	77.28	213.35	151.18	565.29	328.65
2684	15004	77.27	357.34	139.02	235.19	156.73
1928	1841	77.21	153.51	107.56	44	45.85
3240	21078	77.19	488.43	145.36	746.56	212.27
2968	19	77.16	966.28	335.28	580.05	197.2
3925	15961	77.16	114.38	66.55	46.93	42.39
1138	3189	77.09	49.68	25.45	114.42	63.8
263	19412	77.08	641.91	207.2	379.3	104.76
3749	21977	77.08	398.26	213.07	717.73	213.65
2710	14776	77.08	85.43	50.5	149.81	48.13
4228	25702	77.05	672.27	202.24	489.5	173.42
2027	6479	77.05	1684.29	565.47	1022.32	369.89
252	21150	77.05	166.05	123.27	40.17	128.71
464	5384	76.91	107.89	92.63	24.83	58.5
1991	11693	76.87	183.04	140.9	415.11	242.1
2072	4868	76.81	178.55	64.21	277.21	75.52
1286	344	76.72	2148.77	782.81	1250.16	527.97
780	23978	76.65	53.63	24.46	81.63	29.84
1599	6825	76.62	292.14	112.44	431.5	114.14
434	16327	76.59	337.83	147.3	550.45	154.29
2513	23182	76.59	80.19	38.97	164.37	75.73
3776	23558	76.51	205.54	94.8	335.04	80.06
1607	10069	76.51	239.3	65.49	162.7	76.74
586	23783	76.4	367.82	144.98	560.24	130.04
2770	14937	76.35	74.26	31.25	121.15	36.46
3466	13479	76.35	260.63	105.66	409.62	121.8
69	11423	76.31	59.15	30.69	33.16	14.65
877	15606	76.29	439.18	116.76	616.36	137.2
1437	11191	76.27	386.22	395.68	1160.14	753.05
4216	25691	76.24	1112.37	213.01	880.46	306.88
2255	6262	76.16	306.86	97.6	464.02	145.84
2106	5339	76.12	1087.88	582.58	484.12	233.06

2086	11426	76.12	204.72	106.99	119.44	48.38
852	12277	76.1	114.66	79.06	30.78	36.57
887	12301	76.07	227.8	89.7	135.03	63.88
1419	2670	76.07	94.76	84.47	219.55	117.6
3455	6263	76.05	196.73	68.43	295.27	100.4
3749	25480	76.02	346.3	188.86	614.37	187.63
600	17590	75.99	186.99	97.44	103.68	41.56
2232	9712	75.99	48.43	38.82	87.6	37.71
2219	2536	75.99	216.57	171.6	610.36	344.96
3582	15700	75.96	315.13	95.29	452.97	122.6
3953	16993	75.96	684.13	410.26	1070.23	283.86
3171	18564	75.96	263.96	90.74	385.53	95.12
961	1809	75.93	1186.61	1256.28	100.37	691.24
600	17589	75.9	103.12	74.72	31.28	29.34
3016	1844	75.66	240.62	130.36	110.96	56.37
221	18723	75.36	414.12	98.63	560.47	124.86
1430	1409	75.36	258.24	108.2	416	110.72
394	21707	75.17	129.5	88.96	38.35	48.56
498	9905	75.17	448.73	140.85	653.71	147.4
3779	16134	75.12	50.24	33.8	107.77	54.16
2963	43	75.04	275.18	107.99	440.5	129.15
3807	1127	75.01	54.77	35.42	132.68	106.49
3208	14997	74.97	727.29	466.27	274.5	256.4
2802	19952	74.87	73.16	36.85	129.15	51.29
507	20523	74.86	213.55	195.22	43.75	52.13
2958	25370	74.85	73.05	47.97	159.16	91.66
3120	1850	74.76	3940.44	2490.47	2421.78	994.13
636	12312	74.73	633.19	253	983.49	261.14
3503	17567	74.73	1374.9	222.13	1176.07	213.88
450	15410	74.71	261.99	54.95	355.34	84.5
4158	794	74.65	494.55	292.28	812.28	219.24
492	11959	74.6	62.74	24.79	98.12	31.21
555	22867	74.6	181.38	56.74	253.14	66.42
3447	20248	74.57	36.29	11.89	23.9	15.77
3197	11904	74.51	120.95	65.02	58.58	41.48
2982	17883	74.49	32.83	10.85	22.09	15.53
4162	851	74.32	325.42	112.25	440.25	103.99
3965	23321	74.27	157.42	87.01	240.68	62.64
677	1578	74.22	24.28	13.7	44.84	17.94
115	19103	74.21	515.02	246.96	752	230.58
2871	811	74.1	487.49	178.05	682.5	143.93
4228	10109	74.07	1328.91	368.41	1038.15	211.11
589	4590	74	31.31	22.8	52.03	26.82
2841	3292	73.94	4673.65	3021.02	2495.2	1241.78
3834	15002	73.94	218.02	94.89	138.71	73.56
4290	1561	73.91	1227.46	383.54	861.17	205.43
4144	699	73.85	905.09	272.9	601.96	143.39
2946	15378	73.78	75.68	28.98	120.31	37.39
3044	4198	73.77	1367.98	283.56	1081.44	224.98
596	19443	73.73	930.76	318.25	1381.35	432.79
576	11203	73.69	72.98	35.89	41.44	16.27
3466	13480	73.67	492.44	158.54	735.66	179.45
3652	24219	73.66	598.86	272.69	373.62	181.18

3180	18695	73.62	73.29	25.91	117.33	47.28
615	3131	73.62	281.05	109.32	441.09	153.75
3199	17894	73.45	71.39	25.91	46.5	20.4
4198	15652	73.45	1849.73	323.35	1491.36	363.06
3080	25317	73.39	1991.17	610.79	1364.85	451.42
1228	23044	73.34	224.47	70.74	150.77	54.5
3490	12606	73.34	505.74	307.66	748.02	233.25
3016	1843	73.31	49.54	24.82	28.93	15.86
3710	16726	73.29	545.56	188.44	799.89	192.44
3269	18453	73.26	326.42	276.99	652.91	259.76
2877	134	73.26	65.63	53.79	119.84	51.3
4181	412	73.25	2812.13	1414.38	1604.48	771.99
3800	21709	73.23	234.87	45.04	192.24	46.77
2968	20	73.12	543.32	225.55	340.68	128.61
393	14139	73.12	34.81	15.11	53.35	18.1
389	11635	73.07	201.89	80.06	294.54	87.37
3047	1694	73.06	1340.6	291.11	1067	228.73
2206	15191	73.04	3258.78	2347.81	1154.02	1229.65
2894	14933	72.93	35.74	28.33	51.32	21.05
4048	1753	72.91	268.73	115	446.66	170.87
3141	23445	72.88	109.37	89.84	239.79	130.02
4093	1583	72.87	49.4	24.94	27.97	13.12
523	9826	72.85	28.76	25.99	51.99	20.68

TABLE 5JJJ: HEPATITIS							Attorney Docket 44921-5038-01-WO
Timepoint(s): Various							Document No. 1935828.1
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD	
3309	20529	84.65	685.88	500.38	113.59	138.52	
2169	13353	82.6	171.98	81.96	288.76	56.48	
1926	4969	81.5	904.09	601.25	243.18	209.99	
3057	22515	80.96	1196	1162.05	94.19	281.83	
1805	19769	80.58	1257.27	435.1	740.27	235.92	
3143	960	80.5	131.11	51.24	218.3	64.52	
2217	2161	80.33	1075.21	600.78	346.34	227.87	
4030	20698	80.3	1903.78	966.73	866.13	377.41	
3877	17709	80.19	102.6	51.82	35.96	40.49	
1174	3773	80.19	205.25	126.8	63.46	51.98	
2476	12587	80.14	48.63	39.86	111.33	47.26	
370	21025	79.98	32.06	41.16	90.49	50.94	
1886	13167	79.98	76.27	20.48	115.28	31.01	
648	19411	79.92	93.71	56	32	16.5	
3741	12577	79.78	547.97	398.82	145.74	108.54	
246	21125	79.62	94.31	73.69	222.98	91.57	
551	4244	79.6	93.61	33.17	155.43	48.67	
1410	24200	79.37	955.52	460.95	423.15	223.45	
1336	26133	79.35	453.37	246.61	184.07	211.62	
2104	8215	79.18	640.26	221.32	379.61	125.48	
2225	11536	79.08	300.55	93.01	508.41	193.96	
1341	14491	79.07	250.4	82.02	155.54	63.55	
2089	17591	78.99	222.63	90.4	126.46	38.38	

2779	15170	78.91	110.06	56.54	199.04	54.54
866	22017	78.75	280.47	150.04	120.99	87.23
2111	21209	78.74	273.68	209.93	77.74	69.54
1321	10532	78.64	431.38	138.95	274.62	87.95
1654	8522	78.61	356.62	203.78	143.76	58.49
602	9053	78.56	31.52	31.1	75.91	32.25
1271	22018	78.55	300.65	112.77	170.83	85.85
17	18159	78.37	136.04	53.91	74.52	74.28
3037	1223	78.28	235.78	82.05	134.5	79.38
1489	7451	78.28	1775.99	568.64	1119.65	275.04
1085	2430	78.25	66.49	41.52	22.48	26.71
2465	15426	78.1	192.78	42.26	268.57	62.27
787	24225	78.04	291.99	74.98	386.24	86.65
2230	2557	78.03	66.88	28.9	34.66	15.3
2127	11205	77.99	664.5	183	929.43	242.75
935	6720	77.98	140.71	111.52	28.02	95.66
2371	22569	77.96	88.79	42.82	150.58	55.53
576	11202	77.95	86.3	29.93	54.75	17.96
2575	14502	77.6	233.68	61.43	165.14	45.27
1440	21073	77.6	373.06	105.13	248.97	69.63
2420	8917	77.38	102.79	62.89	40.81	40.57
3357	5622	77.38	2247.02	593.25	1573.74	347.68
2674	23583	77.38	136.19	75.07	55.12	36.14
194	19729	77.28	213.35	151.18	565.29	328.65
2684	15004	77.27	357.34	139.02	235.19	156.73
1928	1841	77.21	153.51	107.56	44	45.85
3240	21078	77.19	488.43	145.36	746.56	212.27
3925	15961	77.16	114.38	66.55	46.93	42.39
2968	19	77.16	966.28	335.28	580.05	197.2
1138	3189	77.09	49.68	25.45	114.42	63.8
2710	14776	77.08	85.43	50.5	149.81	48.13
3749	21977	77.08	398.26	213.07	717.73	213.65
252	21150	77.05	166.05	123.27	40.17	128.71
2027	6479	77.05	1684.29	565.47	1022.32	369.89
4228	25702	77.05	672.27	202.24	489.5	173.42
1991	11693	76.87	183.04	140.9	415.11	242.1
2072	4868	76.81	178.55	64.21	277.21	75.52
1286	344	76.72	2148.77	782.81	1250.16	527.97
780	23978	76.65	53.63	24.46	81.63	29.84
2513	23182	76.59	80.19	38.97	164.37	75.73
434	16327	76.59	337.83	147.3	550.45	154.29
1607	10069	76.51	239.3	65.49	162.7	76.74
3776	23558	76.51	205.54	94.8	335.04	80.06
586	23783	76.4	367.82	144.98	560.24	130.04
3466	13479	76.35	260.63	105.66	409.62	121.8
2770	14937	76.35	74.26	31.25	121.15	36.46
1437	11191	76.27	386.22	395.68	1160.14	753.05
4216	25691	76.24	1112.37	213.01	880.46	306.88
2255	6262	76.16	306.86	97.6	464.02	145.84
2086	11426	76.12	204.72	106.99	119.44	48.38
2106	5339	76.12	1087.88	582.58	484.12	233.06
852	12277	76.1	114.66	79.06	30.78	36.57
1419	2670	76.07	94.76	84.47	219.55	117.6

887	12301	76.07	227.8	89.7	135.03	63.88
3455	6263	76.05	196.73	68.43	295.27	100.4
3749	25480	76.02	346.3	188.86	614.37	187.63
2219	2536	75.99	216.57	171.6	610.36	344.96
600	17590	75.99	186.99	97.44	103.68	41.56
1146	3452	75.99	98.23	77.85	29.92	28.12
3582	15700	75.96	315.13	95.29	452.97	122.6
3171	18564	75.96	263.96	90.74	385.53	95.12
2768	13513	75.96	176.8	41.22	123.35	44.29
3953	16993	75.96	684.13	410.26	1070.23	283.86
2223	13697	75.94	38.01	20.64	58.31	20.35
961	1809	75.93	1186.61	1256.28	100.37	691.24
2607	6033	75.91	713.46	213.45	999.25	270.65
1743	10918	75.9	241.58	88.86	159.25	57.98
600	17589	75.9	103.12	74.72	31.28	29.34
851	19220	75.88	136.17	39.34	187.84	57.74
293	19575	75.88	226.17	66.98	324.7	94.79
2651	12736	75.85	128.87	69.66	70.72	34.35
1585	20524	75.79	126.78	129.45	20.23	38.43
1513	10710	75.72	118.91	34.5	178.74	58.97
186	4330	75.69	1032.49	499.42	1534.42	449.57
2224	23547	75.69	245.18	72.35	165.13	44.53
1952	7122	75.66	604.13	225.95	399.08	93.85
3016	1844	75.66	240.62	130.36	110.96	56.37
221	18723	75.36	414.12	98.63	560.47	124.86
1430	1409	75.36	258.24	108.2	416	110.72
394	21707	75.17	129.5	88.96	38.35	48.56
498	9905	75.17	448.73	140.85	653.71	147.4
3779	16134	75.12	50.24	33.8	107.77	54.16
2963	43	75.04	275.18	107.99	440.5	129.15
3807	1127	75.01	54.77	35.42	132.68	106.49
3208	14997	74.97	727.29	466.27	274.5	256.4
2802	19952	74.87	73.16	36.85	129.15	51.29
507	20523	74.86	213.55	195.22	43.75	52.13
3120	1850	74.76	3940.44	2490.47	2421.78	994.13
636	12312	74.73	633.19	253	983.49	261.14
3503	17567	74.73	1374.9	222.13	1176.07	213.88
450	15410	74.71	261.99	54.95	355.34	84.5
4158	794	74.65	494.55	292.28	812.28	219.24
492	11959	74.6	62.74	24.79	98.12	31.21
555	22867	74.6	181.38	56.74	253.14	66.42
3447	20248	74.57	36.29	11.89	23.9	15.77
2982	17883	74.49	32.83	10.85	22.09	15.53
4162	851	74.32	325.42	112.25	440.25	103.99
3965	23321	74.27	157.42	87.01	240.68	62.64
677	1578	74.22	24.28	13.7	44.84	17.94
115	19103	74.21	515.02	246.96	752	230.58
2871	811	74.1	487.49	178.05	682.5	143.93
4228	10109	74.07	1328.91	368.41	1038.15	211.11
589	4590	74	31.31	22.8	52.03	26.82
2841	3292	73.94	4673.65	3021.02	2495.2	1241.78
3834	15002	73.94	218.02	94.89	138.71	73.56
4290	1561	73.91	1227.46	383.54	861.17	205.43

4144	699	73.85	905.09	272.9	601.96	143.39
2946	15378	73.78	75.68	28.98	120.31	37.39
3044	4198	73.77	1367.98	283.56	1081.44	224.98
596	19443	73.73	930.76	318.25	1381.35	432.79
576	11203	73.69	72.98	35.89	41.44	16.27
3466	13480	73.67	492.44	158.54	735.66	179.45
3652	24219	73.66	598.86	272.69	373.62	181.18
3180	18695	73.62	73.29	25.91	117.33	47.28
615	3131	73.62	281.05	109.32	441.09	153.75
3199	17894	73.45	71.39	25.91	46.5	20.4
4198	15652	73.45	1849.73	323.35	1491.36	363.06
3080	25317	73.39	1991.17	610.79	1364.85	451.42
1228	23044	73.34	224.47	70.74	150.77	54.5
3490	12606	73.34	505.74	307.66	748.02	233.25
3016	1843	73.31	49.54	24.82	28.93	15.86
3710	16726	73.29	545.56	188.44	799.89	192.44
3269	18453	73.26	326.42	276.99	652.91	259.76
2877	134	73.26	65.63	53.79	119.84	51.3
4181	412	73.25	2812.13	1414.38	1604.48	771.99
3800	21709	73.23	234.87	45.04	192.24	46.77
2968	20	73.12	543.32	225.55	340.68	128.61
393	14139	73.12	34.81	15.11	53.35	18.1
389	11635	73.07	201.89	80.06	294.54	87.37
3047	1694	73.06	1340.6	291.11	1067	228.73
2206	15191	73.04	3258.78	2347.81	1154.02	1229.65
2894	14933	72.93	35.74	28.33	51.32	21.05
4048	1753	72.91	268.73	115	446.66	170.87
3141	23445	72.88	109.37	89.84	239.79	130.02
4093	1583	72.87	49.4	24.94	27.97	13.12
523	9826	72.85	28.76	25.99	51.99	20.68
3209	16472	72.8	22.42	11.5	47.24	28.65
2962	25052	72.79	283.57	334.72	25.65	120.49
2320	1572	72.79	111.28	42.96	72.06	31.45
3435	20090	72.76	180.42	102.74	107.22	36.61
4202	19244	72.74	1396.24	317.12	1097.32	242.02
3241	15612	72.72	188.45	134.19	453.11	329.12
3144	10248	72.66	44.57	22.72	25.35	25.09
4114	1558	72.66	49.45	32.85	93.19	39.59
2952	107	72.64	77.74	35.72	131.66	73.29
4241	15387	72.6	665.35	155.05	516.09	117.06
439	15313	72.52	58.54	44.05	26.75	36.48

TABLE 5KKK: HUMAN-SPECIFIC			Attorney Docket 44921-5038-01-WO			
Timepoint(s): Various			Document No. 1935828.1			
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1325	22840	84.24	1437.82	354.49	869.42	254.39
3749	21977	83.48	394.62	163.59	711.62	218.59
1822	22628	83.17	24.41	23.17	71.81	35.19
1261	11728	82.46	396.78	157.22	193.35	227.55
3704	10176	82.2	286.02	83.53	442.98	97.63

2958	25370	81.97	58.97	31.75	157.69	91.68
3465	12083	81.88	123.62	40.01	245.58	116.05
3489	12422	81.87	44.25	11.06	69.18	21.54
268	11726	81.81	256.56	118.57	137	181.69
3465	12082	81.78	138.78	63.81	334.33	158.96
618	13332	81.75	124.87	45.9	230.44	83.51
3776	23558	81.5	227.72	74.88	332.25	83
1828	17400	81.39	230.72	82.17	107.7	67.04
263	19412	81.18	625.46	163.44	384.58	114.96
1497	1114	81.09	781.13	150.16	564.27	206.35
2218	3431	81.05	1422.28	244.27	1039.62	311.19
1489	7451	80.88	1704.79	485.07	1133.26	301.45
1479	21933	80.67	7289.09	1187.54	4974.89	1772.86
1117	2905	80.54	330.91	78.71	499.51	190.91
1271	22018	80.53	275.1	87.29	173.67	89.09
1410	24200	80.46	1111.18	554.09	431.33	233.89
3882	921	80.31	20.08	13.18	43.23	18.5
2169	13353	80.16	176.88	80.17	286.44	59.45
1081	19145	79.95	373.59	66.2	293.21	67.08
2910	10184	79.9	66.91	31.6	122.21	58.89
3083	20744	79.88	934.9	509.63	340.73	292.71
3208	14997	79.7	808.58	498.6	282.14	266.62
935	6720	79.7	137.35	104.08	30.23	97.39
648	19410	79.65	147.55	38.33	87.45	29.57
3180	18695	79.62	62.1	17.65	116.63	47.24
813	17496	79.55	70.11	50.43	258.48	181.02
2132	1957	79.52	2181.43	386.64	1405.97	584.79
1358	6919	79.51	968.3	521.33	336.6	282.78
1631	10169	79.39	174.71	62.99	97.31	43.79
3349	20778	79.39	48.01	20.52	74.39	18.42
2111	21209	79.38	323.79	227.65	80.84	76.99
3801	18795	79.31	1021.62	404.03	535.47	193.73
954	21968	79.29	91.57	32.36	155.66	63.73
1055	23031	79.28	26.23	24.22	91.16	71.8
3171	18564	79.25	261.49	76.52	383.22	96.61
1748	9432	79.23	85.63	33.77	50.87	37.6
901	402	79.13	2057.39	710.38	1195.52	401.96
1372	6044	79.09	980.67	209.4	751.52	209.84
1437	11191	79.02	390.46	293.11	1145.16	755.97
888	12140	79.02	138.58	27.68	90.34	64.51
1319	19092	78.97	3663.99	526.05	2786.47	684.63
2713	14312	78.89	378.06	65.93	495.88	137.48
3877	17709	78.88	107.24	59.27	37.18	41.53
257	12108	78.86	246.95	59.37	355.54	99.6
2626	3073	78.82	32.6	23.82	102.18	90.8
2968	20	78.75	594.54	222.67	343.9	133
16	20042	78.73	1003.07	216.55	645.21	257.9
394	21707	78.73	162.01	111.15	39.68	49.73
885	22452	78.7	960.47	557.34	392.16	328.5
1502	7583	78.68	228.76	126.78	49.16	123.23
1095	2514	78.64	993.58	369.54	543.64	280.42
2217	2161	78.49	1045.81	594.64	360.79	261.88
891	12306	78.46	2478.81	1208.77	1128.61	492.12

268	11727	78.4	292.65	143.54	183.04	242.97
2175	22906	78.33	1389.24	754.41	551.23	409.34
1426	2242	78.29	3622.99	1276.38	2414.77	867.53
293	19575	78.25	218.29	50.87	322.91	95.32
2287	13389	78.13	22.03	24.27	52.75	25.56
246	21125	78.06	102.32	88.94	220.39	92.92
165	4017	77.98	52.57	15.23	76.26	29.77
2206	15191	77.95	3619.23	2031.67	1189.78	1291.95
893	23029	77.95	309.4	199.62	774.42	457.96
1557	5523	77.87	832.64	284.21	457.1	305.15
3567	1221	77.83	321.74	281.91	29.27	114.79
473	18397	77.8	59.44	18.44	39.4	28.71
2277	14425	77.8	1489.83	906.78	442.39	416.21
3133	20354	77.75	217.48	158.68	50.15	53.78
1174	3773	77.72	169.93	103.2	66.67	59.37
1622	8600	77.69	25.88	38.63	81.46	56.67
3612	23569	77.63	185.99	54.76	261.79	59.35
1366	6986	77.63	222.4	51.16	150.37	58.74
2082	18660	77.63	78.49	24.98	130.16	52.58
3123	4002	77.63	88.99	20.17	127.35	41.79
3466	13479	77.62	273.15	118.63	406.58	123.27
2084	22340	77.6	337.31	92.44	529.36	183.71
3792	21940	77.56	272.48	81.53	394.79	112.01
4099	1639	77.55	135.8	40.16	197.55	45.66
1891	17768	77.54	606.75	115.77	772.57	144.1
1257	1805	77.49	2206.4	549.17	1444.53	630.29
2106	5339	77.48	1249.53	696.92	493.6	248.82
2102	11504	77.45	449.62	157.25	708.33	224.61
1427	17132	77.43	4521.4	997.41	3453.96	1046.97
3982	15189	77.41	4278.64	2464.35	1627.27	1623.23
2968	19	77.37	1037.61	366.95	586.54	205.06
1104	16680	77.32	230.94	115.18	400.82	135.74
3516	23608	77.29	827.62	365.14	393.95	179.15
1157	3722	77.27	598.89	155.66	394.17	143.77
52	21679	77.27	34.85	16.31	61.91	24.06
1513	10710	77.24	115.76	28.9	177.63	59.17
1861	20542	77.24	149.29	26.62	116.42	42
2542	4703	77.2	743.74	280.28	419.12	237.06
2225	11536	77.2	310.62	85.6	504.27	194.81
1686	514	77.13	364.25	86.27	254.71	91.51
3582	15700	77.11	317.02	76.81	450.28	123.79
713	12210	77.1	558.33	178.98	316.33	178.22
4091	2010	76.89	3919.07	1538.49	2669.01	1250.02
3489	12423	76.82	111.83	26.15	169.3	72.58
3080	6477	76.61	3083.49	926.01	2253.54	859.82
3982	15190	76.53	4664.62	2400.07	1803.1	1674.56
493	17693	76.5	113.84	37.59	211.77	128.43
3024	1246	76.44	44.79	17.25	78.58	30.33
615	3131	76.2	267	103.71	438.19	154.44
3668	20743	76.05	93.27	24.47	140.84	38.05
109	23368	76	36.91	21.97	76.65	35.22
2802	19952	75.99	80.45	34.08	127.97	51.75
3029	1973	75.98	283.34	69.05	392.8	106.86

2258	1169	75.93	38.34	10.11	63.46	34.46
3426	17324	75.9	247.92	83.06	380.02	117.37
3792	21941	75.88	340.65	75.78	463.69	109.92
3378	16449	75.86	184.98	103.27	332.27	190.55
3749	25480	75.86	384.35	140.12	608.7	192.43
3362	21090	75.85	82.45	43.47	147.1	55.77
2207	26029	75.79	310.57	196.68	196.7	332.64
3153	373	75.77	284.68	114.89	476.29	164.84
551	4244	75.72	102.54	49	154.12	49.13
3595	24508	75.68	171.11	70.36	112.35	46.67
3386	20735	75.64	285.82	128.7	188.63	132.06
2894	14933	75.63	26.63	26.27	51.15	21.24
1430	1409	75.57	267.04	98.98	412.84	113.05
1942	13090	75.56	26.25	30.71	81.24	66.75
648	19411	75.53	70.68	27.45	33.5	21.46
3605	17300	75.52	42.83	19.22	67.76	26.81
4148	1731	75.52	54.61	24.66	84.25	30.69
4048	1753	75.44	271.25	100.03	443.2	171.87
581	19085	75.39	146.43	58.83	86.02	45.82
4162	851	75.35	339.64	108.01	437.84	105.59
342	10517	75.32	33.63	9.62	45.64	11.52
3166	16871	75.16	39	8.86	57.34	23.73
3080	6478	75.16	4878.91	2045.76	3213.89	1789.74
602	9053	75.07	28.69	28.29	75.09	32.78
4030	20698	75.03	1766.99	880.06	887.97	428.52
3319	15299	75.02	149.67	123.48	77.39	128.38
3275	6013	75	2510.29	636.71	1896.39	624.56
2469	7067	74.9	223.91	82.58	337.9	92.02
3866	16809	74.84	79.79	55.92	29.18	24.62
2539	13092	74.72	87.8	86.79	222.03	123.26
3626	4234	74.63	759.33	181.76	614.35	299.69
3123	4003	74.58	114.34	28.03	179.28	80.55
1812	23837	74.55	33.28	9.97	55.19	26.61
3956	1546	74.55	242.59	59.39	301.49	75.11
435	20701	74.52	1569.77	736.94	873.99	379.6
3057	22515	74.45	1090.61	1299.95	116.84	354.19
576	11202	74.43	72.84	20.68	55.54	19.16
3424	18727	74.41	1041.79	296.09	760.15	382.87
4058	25064	74.4	1021.41	432.29	1190.34	355.96
3016	1843	74.38	56.29	29.21	29.24	16.11
573	17468	74.35	448.74	80.13	563.38	116.21
4231	1141	74.24	237.35	53.35	176.45	55.87
2543	18402	74.19	48.27	14.82	69.85	21.07
555	22867	74.15	182.26	51.51	251.75	67.04
3579	1792	74.02	194.59	59.08	303.36	111.8
3895	8640	73.98	217.48	94.58	125.61	91.84
3432	19710	73.97	335.06	92.06	238.53	107.23
3019	20699	73.96	2777.64	805.72	2126	824.57
3334	14004	73.9	37.61	15.31	76.03	62.83
3321	20601	73.81	567.23	233.73	974.04	458.89
2841	3292	73.72	4467.58	2433.76	2539.97	1352.98
1507	1876	73.7	559.04	194.56	776.44	201.8
2258	1170	73.68	70.66	21.59	110.77	55.21

523	9826	73.64	25.81	24.52	51.58	21.01
538	12010	73.59	69.42	18.66	106.46	37.49

TABLE 5LLL: Inducer and Liver Enlargement				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
3472	20915	81.71	1357.88	797.41	507.57	306.08
3629	6673	80.12	569.69	134.49	806.36	247.49
1314	12071	79.67	401.9	136.67	643.43	180.12
2243	15146	79.64	113.08	46.74	226.46	110.55
3156	17541	79.32	2743.59	1047.5	1592.85	586.82
3879	15125	79.2	2842.86	1394.32	1608.65	535.95
3044	4198	79.03	835.29	124.05	1099.33	230.51
2625	14131	78.92	110.62	82.52	31.86	27.47
2027	6479	78.51	610.47	262.11	1058.34	390.72
2185	7022	78.41	102.69	55.02	35.25	36.09
2368	9032	78.19	804.57	191.86	598.36	153.21
611	8438	77.99	45.32	29.77	95.82	44.95
184	4291	77.98	159.97	73.17	314.14	138.5
3682	20724	77.92	47.7	29.7	86.32	32.64
2611	14103	77.91	146.35	59.13	269.95	112.07
143	2544	77.65	147.84	46.91	224.99	67.65
3426	17324	77.65	263.78	66.86	382.15	117.35
3202	17401	77.32	204.21	88.35	440.87	216.67
717	16067	77.08	357.79	157.08	164.36	110.94
3629	6672	77.03	50.65	17.13	78.82	25.22
784	12386	77.02	135.03	51.86	227.77	84.85
1868	7223	76.99	367.26	91.11	246.51	70.47
3528	15755	76.95	500.12	167.48	748.54	175.96
3716	17601	76.83	57.78	25.38	103.87	39.5
310	17766	76.82	612.13	93.59	484.14	91.21
3898	8820	76.67	71.07	30.02	41.75	33.08
378	11827	76.6	23.35	6.73	39.11	17.22
3473	8212	76.56	2844.24	967.49	1951.8	704.21
2535	3581	76.55	428.5	101.19	306.63	72.34
3141	23445	76.55	100.16	72.37	240.17	130.04
1171	17470	76.27	288.91	122.93	150.05	76.41
3653	5497	76.2	434.15	183.08	649.4	184.65
3250	18989	75.89	2841.79	1727.07	1431.62	573.74
2964	1795	75.75	1189.63	728.56	510.99	334.94
4235	21657	75.61	462.08	165.28	762.09	292.8
2338	16703	75.55	1812.5	580.21	1147.47	357.53
3565	15120	75.49	158.84	36.08	238.23	94.67
1720	9805	75.48	555.5	140.45	386.54	94.93
2919	12155	75.45	2368.04	2360.22	572.57	410.44
3879	15127	75.3	1257.57	486.54	674.31	302.62
1275	23917	75.26	1285.56	577.93	814.72	342
2620	23296	75.25	495.81	137.77	330.23	95.8
3044	4199	75.13	689.15	154.38	899.09	203.59
3653	5496	75.08	323.55	139.72	498.43	153.01

2337	22802	75.03	63.91	24.72	109.02	53.45
758	5026	75.02	32.08	39.61	122.05	86.86
1268	3121	74.96	1226.38	402.34	804.64	231.33
4118	1479	74.87	200.76	71.6	299.5	94.41
1806	21056	74.79	191.7	54.91	257.01	72.37
3927	9268	74.77	269.61	125.35	155.86	54.66
3557	19992	74.76	881.24	236.92	614.26	213.08
2935	12156	74.73	2833.78	3074.47	422.63	506.52
3836	17155	74.73	225.73	81.81	135	60.86
1787	14208	74.71	89.89	38.85	142.45	50.46
4030	20698	74.64	563.9	164.59	910.96	450.64
470	21917	74.62	30.66	14.51	76.73	66.47
3879	15126	74.5	2113.36	872.47	1247.44	500.98
299	3925	74.45	1123.43	311.95	806.43	297.82
2592	3860	74.44	715.73	289.22	383.81	143.83
2663	14202	74.43	115.02	55.72	56.76	51.95
2822	18295	74.4	72.77	35.66	118.51	48.1
1881	24323	74.38	549.98	139.07	412.1	103.39
2049	22707	74.35	29.28	15.96	53.4	24.1
3993	18867	74.1	661.28	442.42	831.46	209.88
2552	4093	74.06	733.35	154.45	565.09	160.3
214	9402	74.05	138.18	31.4	189.55	53.15
3322	20914	74.04	1034.46	1047.32	209.39	203.19
3268	11153	74.02	415.59	170.72	639.47	199.55
926	21382	74.01	124.5	34.9	182.93	63.6
3954	4312	74	289.09	281.36	56.11	138.04
2033	8213	73.98	5073.74	1865.14	3387.66	1342.21
2579	14390	73.98	103.52	18.95	83.06	19.6
3093	18749	73.96	208.45	163.58	57.88	42.14
3162	15872	73.93	310.84	116.91	505.13	168.2
3879	15124	73.81	2066.34	877.47	1326.87	404.07
3101	18726	73.77	249.86	74.81	366.36	114.75
1621	5549	73.71	93.55	51.18	42.99	65.36
2131	15673	73.66	1183.22	314.09	911.4	183.31
2248	3969	73.59	466.47	120.45	575.17	143.79
2363	14586	73.57	552.83	105.46	446.44	96.58
136	1822	73.52	32.71	13.65	56.48	23.25
2021	3256	73.5	1349.88	363.84	1003.68	275.51
3357	5622	73.49	1210.26	325.65	1608.5	372.01
3485	9296	73.45	927.31	201.31	711.93	160.38
299	3924	73.44	448.13	107.79	322.57	113.24
435	20701	73.44	580.85	171.68	893.42	395.57
2510	8036	73.41	121.88	50.9	191.37	67.12
181	4250	73.41	100.43	28.79	137.62	37.73
2888	1888	73.38	65.91	43.7	31.26	34.19
1565	6941	73.34	109.34	62.47	34.85	59.77
1449	7225	73.34	275.06	61.15	345.74	95.13
402	16320	73.31	66.47	21.72	100.68	32.33
3198	1588	73.29	160.78	45.74	237.17	84.84
1932	9595	73.29	128.37	36.86	182.28	57.95
3293	21975	73.28	219.86	113.17	270.04	80.28
726	3963	73.26	340.36	77.76	434.04	111.09
4033	6824	73.25	621.85	260.83	409	211.56

2627	18900	73.23	1057.41	207.22	797.52	172.65
2988	25056	73.17	2718.94	2431.7	874.2	469.5
2936	12157	73.14	3128.89	3251.72	489.1	646.35
3268	11152	73.12	173.48	100.42	339.14	140.77
3749	21977	73.12	579.7	113.74	711.76	222.37
2209	24763	73.1	59.1	26.97	95.2	40.12
4118	1478	73.03	313.56	101.5	426.83	118.62
3634	25069	72.82	578.11	455.6	192.73	229.02
629	17752	72.78	333.01	91.76	476.24	141.38
2812	20614	72.76	27.97	11.93	46.15	21.49
3584	6911	72.67	177.76	39.76	235.63	75.02
2911	4407	72.5	92.88	31.92	145.8	57.69
3965	23321	72.48	298.34	62.2	235.95	64.35
3836	17154	72.35	255.54	91.83	186.36	78.12
3093	18747	72.28	424.39	283.26	146.69	103.58
3029	1973	72.22	308.28	69.83	394.17	107.1
4209	25087	72.2	40.05	26.66	100.94	76.02
3573	25453	72.19	251.78	62.76	326.09	79.65
3273	1551	72.15	753.2	363.62	1035.27	366.89
2830	5998	72.11	143.33	48.28	203.78	71.4
3101	18725	71.88	128.49	57.46	217.6	84.51
3098	6055	71.73	857.56	258.28	1096.97	228.01
2860	25281	71.66	197.38	56.7	152.9	48.14
605	16366	71.6	1297.79	498.27	780.6	281.32
3573	7872	71.57	221.32	64.73	296.29	81.79
3322	20913	71.47	1079.76	1404	244.93	188.26
2995	2505	71.46	599.25	149.26	758.23	191.97
3417	12087	71.43	765.1	250.74	1036.17	312.63
3450	20299	71.43	529.36	194.11	732.03	249.09
3428	19679	71.35	246.33	115.64	395.24	139.47
77	18400	71.29	30.61	11.77	50.59	24.67
3823	7927	71.13	172.46	77.9	289.86	115.85
2930	20429	71.06	409.47	195.57	631.67	259.92
4258	16725	71.06	117.86	29.74	163.47	46
2922	21012	70.93	2131.54	841.59	1497.4	545.85
3133	20354	70.87	21.56	10.92	53.41	60.18
633	4242	70.85	341.78	186.52	524.19	210.15
472	9136	70.84	440.83	115.89	334.95	86.57
419	15980	70.8	47.86	18.25	64.06	23.28
3265	6653	70.66	471.14	123.46	605.45	143.35
3041	19730	70.65	186.08	99.69	318.05	151.39
3012	1312	70.61	742.32	138.77	634.05	136.17
387	4809	70.58	42.2	10.04	61.08	25.56
3030	64	70.56	101.58	23.87	135.61	44.32
3740	15028	70.47	1368.28	486.36	1761.2	513.47
3105	16217	70.35	362.58	100.1	453.79	152.13
99	14545	70.27	24.21	8.86	35.48	16.42
3022	16604	70.25	59.25	26.01	86.18	33.88
3825	15996	70.25	29.48	23.7	111.23	139.07
3193	1640	70.24	32.97	13.51	52.85	24.55
3880	15391	70.21	1143.73	271.75	981.39	176.45
2981	25055	70.19	1636.52	2110.72	195.07	298.82
2578	19287	70.16	45.92	15.88	63.95	21.46

3274	10886	70.11	758.51	202.33	984.08	414.2
3708	15601	70.07	438.24	151.02	307.47	75.18
3221	1794	70.05	4051.87	2705.1	2109.88	1144.21
587	4527	70.04	23.15	7.24	33.88	14.38

TABLE 5MMM: INFLAMMATION Attorney Docket 44921-5038-01-WO
Timepoint(s): Various Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3643	4011	99.87	166.43	57.73	1821.45	677.32
2922	21012	99.79	476.81	16.35	1520.39	567.6
1206	16304	99.79	296.61	51.2	1499.52	504.23
3634	634	99.79	224.82	44.49	1536.28	417.92
3710	16726	99.76	297.93	10.7	792.74	196.34
3634	25525	99.76	172.66	36.36	1350.98	364.18
646	14495	99.74	78.02	13.42	323.78	111.6
3820	24728	99.71	28.74	8.28	261.59	84.08
383	15	99.71	92.36	1.44	44.8	21.18
1514	2997	99.68	88.08	5.9	375.4	119.98
3197	11904	99.68	268.62	16.95	60.15	42.8
3757	9214	99.66	880.52	97.9	273.93	150.19
251	18244	99.66	1182.44	47.71	542.72	137.87
3634	635	99.63	188.18	84.64	1577.16	483.16
4211	20872	99.63	1345.63	38.66	763.45	262.47
1955	22598	99.63	3246.17	212.74	992.6	344.02
3412	574	99.6	251.77	18.84	94.44	165.34
3164	23651	99.6	65.74	17.19	20.61	97.18
959	22042	99.6	6153.73	992.13	233.68	1107.91
4023	9845	99.6	3806.95	827.59	124.33	892.61
436	16416	99.58	288.07	16.78	108.4	60.71
2684	15004	99.58	1695.49	240.53	236.04	142.5
2759	5059	99.55	324.13	47.19	79.53	249.59
327	18580	99.55	1019.69	40.31	224.66	139.63
1803	5969	99.52	362.85	61.79	1180.73	390.03
2989	24860	99.5	32.25	5.22	391.3	272.54
3643	4012	99.44	284.76	99.62	2441.81	1157.15
2884	1641	99.44	275.36	14.85	110.29	51.67
498	9905	99.44	166.04	20.66	648.12	150.08
10	1600	99.42	80.25	4.34	37.92	93.41
2385	3134	99.39	375.27	108.07	38.07	41.15
3472	20915	99.39	98.85	6.27	536.36	365.97
3976	13563	99.36	455.07	25.07	1185.43	356.64
4120	154	99.36	501.9	58.32	165.9	60.49
3097	20589	99.36	125.48	13.65	25.15	26.99
1803	5967	99.34	203.14	33.53	867.88	367.62
276	21285	99.34	1157.81	137.93	100.17	161.93
422	309	99.31	1271.05	75.47	694.09	136.68
3757	9215	99.31	1095.45	215.49	315.14	205.97
2962	25052	99.31	1613.62	302.24	30.62	119.49
3567	1221	99.28	197.14	26.41	32.78	122.89
605	16367	99.28	137.22	105.71	1420.14	541.97

1911	4914	99.28	47.79	18.73	481.47	150.36
3834	15002	99.26	812.99	200.75	139.85	68.61
2353	16081	99.23	580.07	45.01	127.63	197.04
605	16366	99.23	126.39	27.16	798.97	303.77
3584	6911	99.23	57.47	6.74	234.1	74.48
961	1809	99.23	6297.41	1822.96	122.34	681.56
244	6614	99.23	118.9	26.54	907.33	269.4
3004	18618	99.21	1838.27	88.48	1149.65	214.57
2949	3548	99.21	174.92	5.09	79.79	30.13
3989	14964	99.18	161.42	102.69	1006.2	317.11
3057	22512	99.18	354.47	227.36	30.39	59.45
4170	1602	99.18	170.64	16.69	467.13	108.67
4228	10109	99.18	1938.46	117.34	1045.64	220.17
1620	8584	99.15	144.43	32.68	1400.37	635.95
2797	10071	99.13	90.84	33.37	30.7	24.06
1912	22522	99.13	112.21	12.19	248.85	63.35
3067	15741	99.13	317.97	109.01	1252.69	388.68
3156	17541	99.13	316.82	124.41	1633.35	638.47
881	21522	99.13	765.82	52.59	164.35	209.31
2133	11416	99.13	283.22	20.98	115.75	35.97
3711	25802	99.13	516.44	15.56	257.7	80.46
3162	15872	99.13	73.07	25.46	499.66	169.35
687	4636	99.13	457.49	50.41	74.1	125.75
2030	21660	99.13	5230.59	324.32	1744.04	720.76
3309	20529	99.13	1181.01	95.34	129.82	185.65
830	6615	99.1	89.58	20.45	438.68	128.87
3639	20448	99.07	159	29.63	42.64	73.93
3455	6263	99.07	77.77	18.31	292.55	100.65
4290	1561	99.07	1985.06	196.05	870.62	217.06
2705	14767	99.07	69.48	6.08	310.71	115.85
3594	11849	99.07	1291.53	27.15	746.01	163.9
2251	14384	99.07	542.05	32.59	247.13	63.39
2743	2855	99.07	794.02	58.03	420.6	87.21
3447	20249	99.05	78.03	10.56	24.83	20.92
3618	15185	99.05	263.18	54.68	60.65	100.78
4077	24469	99.05	1244.67	166.79	620.92	197.95
519	17333	99.05	148.37	21.45	51.16	34.11
1470	12779	99.05	451.8	238.57	67.96	54.36
1883	8273	99.05	219.01	79.36	43.6	33.76
4197	20810	99.05	2037.68	83.17	1154.93	263.95
3091	18385	99.05	178.44	102.58	21.57	29.85
3057	22515	99.05	4183.61	1044.52	121.12	348.28
3236	20864	99.02	55.18	25.79	472.15	380.76
4049	5920	99.02	67.33	29.28	461.44	217.92
3426	17324	99.02	81.82	19.34	378.9	117.26
3112	24589	99.02	395.8	197.61	55.53	53.19
648	19411	99.02	111.17	7.01	33.82	21.69
2878	25313	99.02	312.92	23.51	99.39	60.94
1854	6823	99.02	814.26	140	251.11	106.22
2104	8215	99.02	873.46	52.7	386.99	135.82
827	23005	98.99	270.87	18	124.39	86.19
2506	20055	98.99	304.31	43.15	67.96	73.87
2000	10984	98.99	79.7	65.47	1058.22	304.87

3497	20944	98.99	1456.36	145.65	619.91	160.17
2654	6532	98.99	317.77	23.11	140.71	43.19
3745	5175	98.97	344.51	77.31	40.15	62.99
1926	4969	98.97	2466.07	420.51	259.82	239.47
3055	1678	98.94	22.06	13.4	124.71	41.32
2878	2744	98.94	510.03	36.96	207.36	83.36
3377	15503	98.91	181.26	37.44	64.23	59.72
340	18001	98.91	196.94	39.51	718.21	179.34
3262	682	98.91	664.18	326.43	109.18	95.85
2925	17284	98.89	66.24	7.09	184.56	54.71
3602	20462	98.89	1386.9	54.08	832.62	161.68
3057	22513	98.89	6801.87	2063.44	24.21	724.48
97	24228	98.89	1963.56	170.96	977.17	260.22
3333	23825	98.89	98.15	18.36	38.05	25.86
3064	7427	98.86	242.61	40.71	32.31	29.32
4226	18611	98.86	2091.17	198.59	1139.38	540.19
3085	16080	98.83	333.96	51.66	71.05	142.79
3133	20354	98.83	352.09	24.78	51.73	57.92
4120	155	98.83	242.82	80.27	41.45	24.98
4226	5667	98.83	1364.04	112.29	816.08	305.28
3318	18750	98.81	372.57	8.69	246.42	71.72
3700	22321	98.73	445.71	89.53	76.62	108.24
381	4178	98.73	79.54	11.94	39.39	54.77
3706	10949	98.73	390.51	153.27	1874.53	687.28
4210	18250	98.73	1694.19	100.64	952.01	198.91
3490	12606	98.7	161.97	57.03	741.43	238.52
4207	1893	98.7	164.59	74.91	31.84	31.29
3653	5496	98.68	113.96	19.27	493.5	154.89
435	20701	98.68	2698.56	266.1	879.33	385.5
2320	1572	98.65	172.32	13.47	73.12	32.33
534	19469	98.62	124.43	69.52	477.5	113.18
4197	25675	98.62	1145.98	19.45	741.67	207.51
4210	25687	98.62	2034.6	159.67	1275.29	658.59
3292	21643	98.6	1666.53	167.12	891.15	220.23
3260	24771	98.57	119.53	97.47	1109.43	314.81
507	20523	98.57	316.37	52.14	48.66	67.77
4206	15626	98.57	2208.57	185.27	1329.28	250.81
3250	18989	98.54	247.79	152.33	1480.44	689.51
3411	20716	98.54	776.01	61.15	1643.73	473.59
4198	15652	98.54	2214.91	91.58	1501.41	366.17
4030	20698	98.54	3387.66	619.21	894.32	433.33
3203	2667	98.52	317.82	43.77	809.25	200.01
3273	1550	98.49	50.78	24.28	431.87	211.34

TABLE 5NNN: MIXED PHENOTYPE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
877	15606	92.7	412.43	50.49	612.23	139.47
573	17468	90.25	410.3	42.97	563.07	116.14
1563	18205	89.82	480.72	76.4	339.59	71.76

2710	14776	89.71	61.13	17.01	148.43	49.08
2656	22234	89.1	79.85	26.18	178.54	75.64
3252	17815	89.03	26.23	5.3	48.32	16.77
3887	15839	88.95	220.7	34.76	335.35	86.86
1412	7471	88.84	407.22	36.15	279.68	82.3
1489	7451	88.49	1846.84	394.18	1135.17	304.16
893	23029	88.49	260.89	97.85	772.33	458.06
3153	373	88.33	247.66	84.94	475.56	164.96
1004	22576	88.25	357.22	45.51	533.08	147.97
2420	8917	88.06	135.29	33.22	42.07	42.14
3903	18004	87.96	92.08	21.4	46.91	31.01
342	10517	87.93	28.24	5.52	45.62	11.51
3567	1221	87.9	452.34	259.89	29.78	115.45
1325	22840	87.9	1482.55	321.1	872.09	257.88
694	17906	87.88	313.01	33.46	430.96	164.33
3133	20354	87.82	265.34	136.23	50.66	55.35
1146	3452	87.5	123.4	67.38	31.39	31.8
538	12010	87.5	59.13	8.23	106.34	37.45
1557	5523	87.37	942.67	163.26	458.22	305.69
4030	20698	87.31	2157	938.68	889.54	428.25
2513	23182	87.21	60.66	18.87	162.46	76.03
2779	15170	87.05	88	42.55	197.03	56.09
3075	23868	87.05	572.56	249.48	233.19	689.52
3918	18764	87	4231.54	412.67	2944.99	1125.39
171	8237	86.94	161.57	36.09	90.17	35.5
4114	1559	86.89	26.1	11.99	70.02	31.11
2217	2161	86.83	1230.61	509.54	362.96	266.46
912	1798	86.73	4289.24	454.68	2784.74	1334.1
1410	24200	86.64	1254.47	432.46	433.81	240.17
394	21707	86.64	180.08	79.1	40.18	51.11
1826	10659	86.59	525.17	203.07	155.42	136.23
3103	9423	86.54	1605.09	545.19	809.21	289.07
2841	3292	86.48	5908.23	1756.38	2538.72	1353.64
2746	16859	86.4	591.89	237.41	232.23	107.45
757	23030	86.39	156.55	74.24	485.91	306.9
3080	6478	86.36	6014.17	823.68	3213.69	1791.32
901	402	86.3	2430.03	637.91	1197.13	402.29
2968	19	86.3	1208.98	336.93	587.58	205.7
1980	24170	86.23	54.64	24.46	117.56	50.69
3172	7898	86.07	4930.46	609.03	3689.77	2023.31
1174	3773	86.06	222.07	81.38	66.8	59.52
194	19729	85.9	146.22	70.47	557.2	329.56
3166	16871	85.88	37.6	4.8	57.25	23.71
263	19412	85.87	687.29	165.02	385.37	115.43
2664	17664	85.87	649.75	234.13	278.21	158.72
1804	11563	85.82	92.87	37.72	31.98	36.83
2920	25050	85.8	3444.41	442.9	2365.59	1304.34
3801	18795	85.79	1173.52	441.62	536.84	194.57
2218	3431	85.69	1544.2	194.5	1040.69	310.99
3749	21977	85.61	321.88	154.91	710.51	218.66
2169	13353	85.58	142.6	54.04	286.13	59.76
475	16446	85.53	33.14	8.85	62.62	20.55
2968	20	85.52	677.77	212.99	344.57	133.55

268	11727	85.51	305.09	113.65	183.52	242.75
464	5384	85.5	122.1	52.78	26.76	61.13
3131	11839	85.48	22.4	18.92	72.34	43.16
3535	354	85.27	108.79	27.74	82.01	153.06
1585	20524	85.2	183.57	186.08	22.39	43.23
3172	7897	85.16	5026.51	553.34	3443.12	2129.75
2333	8477	85.07	549.17	155.84	300.32	116.31
2937	1264	85.06	7661.79	1097.37	4248.44	3333.92
2681	22380	85.06	169.47	29.99	268.51	108.89
2126	19012	85.05	770.22	223.05	438.26	162.83
2004	12979	85.02	849.06	213.38	507.28	264.22
887	12301	84.97	221.22	64.45	137.36	66.49
1497	1114	84.95	784.76	111.17	565.4	206.84
3439	20161	84.89	93.65	43.4	28.67	55.35
2082	18660	84.87	71.79	21.38	129.94	52.56
3970	25237	84.84	27.81	8.21	46.96	14.07
3075	23869	84.81	183.61	109.1	64.33	132.43
2012	13910	84.75	595.17	256.02	334.68	144.63
3177	6109	84.73	5062.67	612.62	3577.61	2270.94
619	21305	84.71	102.49	19.3	160.21	64.73
2569	11720	84.7	1391.1	372.23	739.89	262.69
2206	15191	84.7	4454.06	1670.95	1196.05	1298.31
2920	16130	84.68	5489.79	1043.64	3516.83	2337.77
294	16132	84.65	5576.25	699.92	3387.56	2223.54
3349	20778	84.54	42.88	20.91	74.29	18.46
2626	3073	84.5	27.17	17.75	101.86	90.69
918	22266	84.47	1300.02	172.66	1708.32	355.56
2277	14425	84.46	1582.38	902.47	447.23	425.39
1169	3725	84.36	112.91	46.17	44.27	53.59
3208	14997	84.35	904.57	456.19	284.18	270.05
2865	1350	84.33	64.19	8.94	101.77	31.73
3328	15538	84.28	422.49	51.3	318.33	100.25
515	17779	84.28	257.98	58.6	403.58	139.36
3465	12083	84.26	116.98	43.39	244.98	116.05
2508	4731	84.24	242.3	152.93	53.19	75.67
3263	14534	84.23	6841.04	941.06	4581.71	3863.48
4136	396	84.22	366.11	76.57	217	87.76
2027	6479	84.17	1948.92	533.14	1036.43	385.69
2111	21209	84.11	390.41	233.24	81.61	78.56
665	3216	84.1	59.47	12.28	85.97	24.13
902	19421	84.07	4234.7	478.19	2937.97	1757.49
709	4746	84.06	72.05	19.08	34.44	29.01
1261	11728	84.04	414.23	112.95	194.29	227.78
3080	25317	84.01	2439.58	494.72	1376.62	460.73
4088	111	83.99	4804.2	499.29	3144.58	2037.61
3982	15189	83.82	5084.12	1961.4	1634.96	1633.37
2921	25051	83.8	4432.49	459.55	2679.89	1549.16
3170	16275	83.77	4799.21	631.58	3424.79	2264.62
3968	21098	83.76	2466.39	679.48	1140.37	528.02
3866	16809	83.74	96.71	50.6	29.31	24.93
3967	2368	83.71	735.22	293.69	1084.68	198.83
3465	12082	83.64	121.2	67.54	333.43	159.05
3734	17829	83.64	3573.37	470.6	2364.78	1197.64

3855	14591	83.61	37.32	12.53	70.26	24.38
3019	20700	83.53	4924.3	672.7	2928.32	1593.46
52	21679	83.4	33.75	12.43	61.77	24.12
1257	1805	83.4	2412.57	518.34	1446.94	630.27
3982	15190	83.26	5503.52	1949.25	1811.64	1683.48
490	17039	83.24	72.05	12.32	109.04	32.05
1790	19373	83.24	1718.02	400.78	1025.64	514.06
3930	23349	83.1	84.4	16.95	132.91	33.71
2983	21097	83.07	1695.3	601.55	918.24	384.35
4060	25481	83.05	4569.06	559.89	3051.77	1745.38
501	11966	83.03	196.55	30.4	295.67	95.81
3612	23569	83.02	178.01	61.2	261.45	59.45
589	4590	83	25.6	14.08	51.57	26.92
2958	25370	82.95	54.43	32.48	157.2	91.71
1357	4213	82.95	7673.5	1203.32	4441.5	3875.31
3080	6477	82.92	3589.01	566.41	2253.93	859.56
3075	23872	82.86	175.04	116.05	73.93	155.07
3275	6013	82.73	2842.65	343.79	1897	624.63
648	19411	82.72	78.5	28.65	33.63	21.53
3798	20896	82.71	25.99	6.26	51.88	36.56
4241	15387	82.65	680.01	113.62	519.63	120.56
48	22910	82.63	201.8	41.58	284.3	62.67
3832	15103	82.58	137.13	17.88	179.53	33.01
393	14139	82.55	33.97	7.23	52.9	18.29
3572	15187	82.44	64.75	13.07	108.77	43.44
3810	18644	82.44	3043.69	500.75	2170.22	809.8
4036	16963	82.39	6828.55	1207.62	4270.05	3536.32
48	22909	82.36	40.05	10.54	62.52	20.77
3103	9424	82.32	1934.87	554.59	1006.7	372.95
3263	14533	82.31	7970.91	1413.59	5046.93	4888.24
3792	21940	82.23	249.98	44.32	394.32	112.17
3024	1246	82.2	42.58	17.23	78.42	30.36
2798	25883	82.18	2820.03	289.81	2245.09	1055.18
3109	24825	82.12	1465.13	481.46	893.2	387.12
2984	4254	82.07	5999.1	691.12	3997.89	2553.49
3005	1540	82.04	100.84	27.83	161.94	58.63
3962	15017	82.02	5813.73	801.68	3964.02	2711.45
4099	1639	82.01	116.75	34.19	197.38	45.66
3967	2367	81.98	283.22	144.41	398.47	98.14
4114	1558	81.94	43.61	21.04	92.17	40.02
3877	17709	81.93	119.41	59.33	37.46	41.78

TABLE 5000: NECROSIS				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3024	1246	80.45	39.39	19.36	80	29.62
2225	11536	80.41	291.33	76.27	511.85	193.27
3444	24321	79.54	447.79	210.79	817.55	252.02
3029	1973	78.1	263.98	77.84	397.5	104.55
2607	6033	77.89	654.45	220.35	1006.22	265.5

3171	18564	77.81	274.17	84.41	386.79	94.93
186	4330	77.28	989.08	402.28	1543.74	446.87
1709	22930	77.23	175.96	200.95	556.38	347.59
2871	811	76.99	506.29	141.21	684.41	144.58
259	21173	76.96	110.85	51.97	199.21	74.6
2218	3431	76.92	1356.96	256.43	1029.63	308.06
2418	12946	76.85	259.09	92.83	353.08	98.59
3749	21977	76.77	449.95	212.02	719.84	213.68
3349	20778	76.44	51.26	16.69	75.14	18.07
2779	15170	76.44	125.27	64.79	199.59	54.12
2705	14767	76.43	188.25	78.17	316.07	114.56
1006	24366	76.25	112.86	47.6	189.63	58.13
1709	22929	76.21	433.57	606.13	1278.77	774.89
3455	6263	75.91	206.22	64.26	296.23	100.65
1295	4951	75.86	402.24	192.51	195.68	151.17
115	19103	75.83	497.14	189.78	756.27	230.2
602	9053	75.71	35.84	29.21	76.34	32.18
370	21025	75.54	37.93	38.95	91.05	50.97
1501	7582	75.31	307.79	140.61	523.74	200.31
820	22870	75.25	628.86	193.01	903.08	269.18
1889	11492	75.24	348.48	120.69	528.02	156.61
4162	851	75.23	333.37	84.37	441.52	104.61
720	16465	75.1	302.33	69.82	412.35	104.75
2802	19952	75.04	76.98	33.9	129.77	51.32
1986	13167	75.04	83.28	25.63	115.5	30.99
615	3131	75.01	255.27	119.84	444.64	151.26
1476	7344	74.88	117.22	54.42	190.68	59.36
2202	8387	74.88	208.1	69.85	293.14	68.69
2910	10184	74.79	63.35	48.59	124.29	57.96
3928	7865	74.79	1138	246.56	857.72	202.94
2879	1218	74.7	190.49	48.45	246.85	51.16
3528	15755	74.68	581.08	130.93	748.07	179.7
1989	11576	74.57	52.59	26.32	82.34	29.07
341	24161	74.5	335.75	75.75	466.01	123.48
813	17496	74.48	81.75	101.41	264.39	179.96
4169	1314	74.45	240.55	55.21	187.28	44.13
389	11635	74.4	203.44	79.24	295.8	86.86
2100	9128	74.36	162.07	74.39	107.76	76
1773	7868	74.35	166.73	66.25	278.63	103.55
2436	13757	74.33	138.92	44.46	197.52	51.43
3227	16982	74.32	980.52	742.04	305.56	437.3
2630	8549	74.31	395.79	191.78	674.79	221.08
689	22308	74.2	1154.95	310.26	823.85	286.13
1292	410	74.12	112.09	74.23	190.18	89.99
2970	32	74.08	208.2	61.24	301.46	81.89
2427	13749	74.07	26.12	19.62	47.66	23.7
2872	1125	74.01	20.38	10.72	34.07	13.75
2894	14933	73.98	28.51	16.98	51.9	21.1
510	16023	73.95	204.97	55.6	309.8	99.75
2396	13670	73.94	72.32	26.53	110.24	33.08
128	5934	73.9	202.93	127.88	376.18	163.8
3276	2150	73.82	631.27	135.79	789.66	161.38
1101	2569	73.8	596.98	364.62	922.74	277.96

279	22027	73.72	7999.05	3868.53	8656.82	7794.21
1723	9191	73.71	412.08	197.45	704.92	283.49
3749	25480	73.68	397.65	180.78	615.76	188.42
863	22368	73.6	884.73	281.5	1207.52	308.66
716	3822	73.58	1983.36	611.51	1326.85	434.91
3321	20601	73.54	514.03	311.33	990.58	453.58
1916	9754	73.5	93.8	80.91	215.05	132.49
109	23368	73.49	41.74	20.99	77.78	35.07
3591	11899	73.48	38.09	11.74	54.58	16.56
149	2897	73.46	64.58	28.75	43.73	24.77
367	6443	73.45	96.61	42.88	150.93	51.25
3613	14970	73.45	129.9	46.69	186.65	39.82
2105	6582	73.44	179.28	65.91	122.97	84.48
1911	4914	73.44	313.12	147.35	488.63	147.01
3573	7872	73.42	210.94	59.34	297.83	81.21
1430	1409	73.3	297.42	98.63	416.39	111.92
1787	14208	73.24	88.52	42.97	143.24	49.98
2219	2536	73.23	280.92	185.23	612.93	346.5
1913	4143	73.19	358.43	106.11	487.08	139.61
1508	7003	73.19	253.93	118.2	403.22	125.34
358	14191	73.16	44.12	27.48	69.37	25.86
1653	8520	73.11	287	90.04	384.3	94.24
1505	7617	73.06	159.38	82.91	274.04	129.57
1143	12616	73.05	34.08	21.18	57.16	28.05
3229	25567	73.05	236.85	131.72	140.76	140.59
1349	7069	72.96	228.53	60.85	307.62	74.43
926	21382	72.94	125.8	40.55	183.68	63.43
920	22612	72.88	262.18	98.53	353.43	93.14
572	15154	72.79	486.25	168.22	629.69	171.62
267	17339	72.7	469.13	284.04	873.43	471.58
1294	13936	72.69	77.55	30.21	111.12	33.34
1761	23124	72.68	147.31	38.13	188.04	38.79
1130	3145	72.63	447.89	142.45	656.97	206.59
2780	18854	72.58	98.61	35.17	145.94	45.17
1457	2799	72.56	270.96	160.36	502.74	222.86
1691	9012	72.56	446.74	225.37	713.11	272.1
2483	18425	72.54	716.49	144.44	895.42	176.96
3103	9423	72.52	1225.33	494.56	795.76	272.54
2304	22197	72.52	274.53	126.51	151.03	80.01
3319	15299	72.49	136.72	99.75	75.53	129.14
2958	25370	72.47	80.14	69.8	160.06	91.19
3645	28	72.45	515.39	249.36	818.4	261.35
48	22910	72.44	224.23	47.39	286.51	62.19
434	16327	72.24	393.85	134.63	550.82	156.05
475	16446	72.17	40.85	16.97	63.43	20.24
3202	17401	72.07	247.03	105.9	442.09	217.8
3651	1920	71.97	847.57	499.56	422.78	238.6
567	9254	71.86	134.75	39.82	186.06	47.53
3633	24645	71.81	292.07	86.77	402.64	172.03
3378	16450	71.73	155.04	82.99	253.23	90.21
3229	3430	71.73	328.78	135.64	232.03	136.33
62	4133	71.71	258.76	93.66	380.44	110.36
3863	15642	71.67	614.4	297.65	365.09	141.2

521	22862	71.58	292.41	156.22	462.12	162.35
555	22867	71.58	185.61	60.99	253.97	66.01
3457	10509	71.56	86.96	50.74	140.94	53.12
3241	15613	71.55	657.99	361.32	1205.53	818.49
391	19067	71.55	83.37	36.82	131.66	51.87
581	19085	71.49	138.9	61.3	84.31	44.17
3042	1529	71.44	441.12	133.23	576.25	124.78
1380	7066	71.4	265.46	71.19	337.12	76.8
3723	18640	71.39	125.78	32.05	160.61	37.92
611	8438	71.39	58.17	43.6	95.9	44.8
3691	15864	71.33	114.24	40.15	163.06	50.79
3424	18727	71.27	1220.54	500.22	741.86	362.51
2877	134	71.24	55.39	56.81	121.11	50.09
4027	24657	71.19	41.61	24.82	71.32	34.89
3742	16364	71.19	91.83	71.17	183.38	87.03
3582	15700	71.14	334.61	115.23	454.01	121.99
3044	4198	71.13	990.89	309.11	1095.49	227.27
636	12312	71.1	693.37	278.99	985.63	260.15
3233	21396	71.05	339.39	107.99	474.01	135.61
3224	22582	70.98	302.19	155.45	444.11	139.14
618	13332	70.92	151.77	67.73	232.77	82.91
52	21679	70.88	40.37	19.98	62.67	23.89
573	17468	70.83	462.08	94.5	566.67	115.34
3090	4450	70.81	147.58	43.04	199.33	60.99
3030	64	70.79	89.69	36.94	136.66	43.39
63	16730	70.78	52.05	33.75	23.72	23.98
2883	1921	70.68	482.04	295.87	202.77	148.18
501	11966	70.67	209.37	63.32	299	95.26
3572	15188	70.66	160.33	36.04	190	35.08
3096	23524	70.66	102.6	55.19	69.88	66.6
3626	4234	70.62	953.43	414.06	600.02	282.32
106	4843	70.56	382.91	91.27	493.63	116.68
4078	25550	70.53	66.97	30.39	38.22	23.22
2971	1791	70.5	59.89	15.32	88	34.32
2558	573	70.49	596.83	329.62	907.15	340.47
2871	812	70.47	328.96	109.26	451.05	113.45
3241	15612	70.44	203.85	143.03	456.18	329.95
637	21980	70.39	435.55	235.06	509.54	157.8
3386	20735	70.37	348.83	188.33	182.25	124.18
3269	18453	70.27	395.8	247.38	654.27	261.72
3378	16449	70.22	164.08	172.17	338.34	187.58
3922	18810	70.2	674.27	122.51	780.88	129.73
501	18128	70.14	85.99	30.56	121.64	31.04
1239	3031	70.09	31.34	20.4	66.53	38.85
4225	25701	70.05	105.45	30.26	142.53	47.12

TABLE 5PPP: Necrosis and Steatosis						
Timepoint(s): Various						
Attorney Docket 44921-5038-01-WO						
Document No. 1935828.1						
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
142	2485	87.09	301.35	148.09	766.8	293.22

2408	4275	85.35	1277.97	238.54	1805.19	414.55
204	6018	84.52	1559.26	820.19	5911.24	3944.14
2479	17672	84.37	1329.91	331.11	2124.16	514.77
2604	5355	84.32	1731.56	424.96	3257.85	1024.99
1692	9016	84.29	1301.32	546.75	2654.18	985.01
162	3757	84.22	194.8	87.81	77.1	37.2
1930	11165	83.62	507.81	110	793.01	199.96
3215	8900	83.33	1427.98	406.2	2778.77	987.39
3323	15141	82.78	218.69	43.11	144.76	47.16
1214	23417	82.61	375.58	128.63	227.51	68.84
160	6016	82.51	1128.99	397.7	2115.32	763.04
1996	17812	82.49	1132.09	413.31	2139.03	697.37
362	18765	82.19	1800.73	478.16	2872.67	859.44
3411	20716	82.19	1105.92	163.26	1651.12	473.09
2036	5954	82.17	2102.15	884.46	3662.39	1142.25
2412	18491	81.98	683.9	165.05	1083.7	287.53
2125	3971	81.94	88.08	30.74	47.07	20.7
231	20668	81.84	72.21	20.61	121.71	37.41
2045	3579	81.79	1234.47	273.95	1929.28	600.63
3328	15535	81.57	708.77	118.92	517.37	135.36
2719	11431	81.55	145.85	77	66.59	24.08
2285	6189	81.44	1542.93	643.32	3966.14	2203.02
2528	4272	81.41	83.67	49.48	33.25	75.56
3324	5749	81.33	298.26	56.95	195.75	84.89
4109	25589	81.32	210.32	53.06	131.13	42.16
3364	1173	81.31	742.55	454.97	1586.26	697.03
2713	14312	81.17	326.74	90.55	497.21	136.33
2275	21603	81.15	1212.98	370.02	2069.88	610.36
3408	24626	80.93	1309.57	166.39	1767.36	393.81
2011	7497	80.87	1241.89	255.45	1723	333.36
989	23657	80.83	259.82	139.58	127.66	53.5
577	13574	80.76	250.93	141.15	307.11	93.16
3327	3254	80.65	414.78	110.19	254.22	87.9
4110	22196	80.61	125.92	70.59	46.72	29.21
3287	10504	80.58	636.99	167.51	958.22	259.78
2147	11623	80.58	1887.33	621.9	3594.35	1409.39
2717	16943	80.57	1285.79	298.18	2022.55	500.28
1801	15218	80.52	1216.73	233.49	1731.53	337.77
3444	24321	80.41	429.18	228.9	806.94	257.88
1584	5723	80.37	590.64	275.9	1184.07	493.28
3613	14970	80.24	158.7	76.41	184.47	40.93
1525	23950	80.21	74.65	25.89	40.57	14.9
3142	16947	80.2	742.4	210.62	1160.02	319.96
97	24228	80.07	716.79	111.15	983.77	263.55
2560	2587	79.98	1074.05	277.8	1658.76	455.64
3142	16948	79.93	654.81	225.52	1126.56	360.05
2944	1336	79.83	81.06	17.51	52.73	22.9
2151	13097	79.8	99.38	75.51	349.17	246.74
3953	16993	79.79	649.83	273.86	1064.8	292.1
2453	15490	79.78	248.87	75.87	150.13	49.97
2138	4193	79.76	519.7	200.36	767.04	153.68
2035	3916	79.65	890.06	409.75	1549.67	402.33
1936	24212	79.63	1172.57	239.9	1641.83	372.13

886	22457	79.59	408.8	180.42	193.94	129.12
1072	2350	79.56	955.99	321.9	651.47	173.2
2247	2596	79.48	669.98	194.8	1070.07	342.06
28	17688	79.43	102.39	40.44	55.25	28.9
1303	16904	79.4	464.89	146.83	306.62	98.06
1126	20694	79.29	263.93	125.81	438.67	149.04
93	22918	79.25	63.18	30.45	35.56	35.31
562	820	79.23	1295.43	287.9	2112.37	661.96
1974	7887	79.21	256.91	93.72	142.91	78.26
2434	12252	79.2	656.99	184.72	982.53	219.13
4107	229	79.12	489.47	134.3	683.72	158.09
4219	670	79.12	873.34	222.06	1213.49	265.11
7	16950	79.11	102.81	43.92	50.15	27.5
3330	12524	79.11	545.12	129.85	390.24	110.34
2993	21053	79.1	1034.56	268.7	1906.14	724.73
200	6132	79.09	325.46	123.7	530.85	143.81
1998	1335	79.09	904.96	223.85	1229.56	238.42
2450	2748	79.03	191.97	64.73	112.27	43.71
362	18766	79.02	1035.29	315.08	1729.26	581.54
1188	3062	79.01	2084.87	958.88	3322.07	897.9
2972	1695	78.97	20.52	18.64	58.84	36.43
2076	1902	78.92	107.16	60.25	228	107.02
4062	25496	78.92	142.88	47.99	88.37	38.98
356	6403	78.92	96.11	38.05	58.7	28.47
3830	19827	78.86	840.98	364.48	1869.2	780.44
2186	21467	78.81	738.47	284.26	1620.72	767.68
1229	7005	78.76	99.56	32.27	64.45	23.65
2568	2913	78.74	714.79	198.56	1041.32	208.59
1791	15080	78.72	418.84	111.2	622.11	150.36
195	17408	78.67	957.2	283.76	1683.57	511.11
1241	20741	78.65	77.26	55.77	21.23	28.79
1690	10472	78.64	88.97	50.1	199.04	92.19
3679	24811	78.63	952.62	379.79	1513.77	453.52
1554	5465	78.58	629.6	323.17	780.39	203.19
2183	6739	78.57	150.82	26.06	116.96	34.81
2336	6303	78.57	103.81	32.64	67.94	19.71
2372	6455	78.56	1871.61	722.95	3694.47	1289.02
3693	17941	78.56	1946.9	668.45	3561.87	1231.96
239	24629	78.54	426.74	48.61	361.47	92.29
1735	10902	78.52	270.88	184.24	46.15	151.33
372	15149	78.48	214.72	81.42	111.85	45.18
1797	10227	78.46	310.29	40.74	421.94	113
1668	8808	78.46	250.96	173	420.61	109.69
236	230	78.45	1634.61	559.45	3148.45	1027.38
2031	20503	78.45	502.95	260.82	913.09	343.14
2628	7888	78.44	388.08	126.83	263.13	139.51
3519	24838	78.42	1342.12	252.82	1784.89	336.82
3184	5033	78.21	771.57	206.94	510.42	286.02
2899	4360	78.19	138.39	64.37	266.48	128.71
3407	15680	78.05	278.2	135.46	140.33	53.98
3599	1175	78.05	232.34	169.31	637.41	346.62
404	22927	77.89	57.66	29.42	27.31	17.38
4041	10544	77.76	307.89	113.08	177.64	68.59

3635	17427	77.72	782.27	229.68	1126.84	247.06
4262	16272	77.7	1149.5	387.95	1836.34	533.31
3616	15487	77.59	141.84	65.36	64.03	28.71
3483	8984	77.57	286.28	81.7	178.85	57.12
3775	25443	77.54	761.32	228.47	1123.44	336.3
4179	9842	77.53	1038.14	372.49	1612.5	408.91
3655	14295	77.51	83.3	56.87	29.39	21.75
2870	727	77.5	278.29	58.71	202.6	50.9
424	16013	77.38	46.5	19.59	26.44	10.36
2866	1531	77.3	659.79	202.76	1061.36	325.14
3177	6107	77.21	193.5	96.56	91.18	53.79
3274	10886	77.19	594.81	225.38	983.26	410.34
3568	18728	77.14	141.33	41.29	98.37	23.4
4041	10545	77.14	367.98	125.94	215.66	85.82
3450	20299	77.13	467.49	205.02	729.83	248.48
3749	21978	77.11	108	32.02	178.93	66.61
4221	21123	77.08	610.82	236.64	952.27	276.89
3400	4592	77.06	262.39	106.22	151.23	49.75
589	4590	77.01	21.19	31.56	51.88	26.57
2957	1481	76.98	108.89	39.47	57.59	28.87
2993	21052	76.94	156.66	90.07	293.4	108.53
67	20998	76.92	890.05	211.6	1253.01	335.62
3116	16306	76.89	837.63	177.97	1104.49	255.03
25	16942	76.87	954.72	263.15	1442.07	498.11
4162	851	76.81	336.98	110.19	438.26	105.33
2871	812	76.8	295.24	144.73	448.02	113.86
3357	5621	76.78	102.49	49.35	183.31	68.13
3405	15066	76.76	875.94	261.35	1335.71	355.35
3727	18494	76.71	90.37	40.55	47.64	25.64
3238	20728	76.59	353.36	77.32	262.01	83.55
4272	463	76.56	32.22	10.62	20.87	9.02
4221	21122	76.55	982.26	313.72	1534.32	488.06
3329	8957	76.53	614.35	137.63	472.66	100.57
3329	8956	76.51	307.2	64.86	233.02	63.04
2949	3549	76.47	314.73	122.77	199.55	79.79
3666	17448	76.39	107.7	47.37	53.28	35.99
3749	25480	76.35	396.02	159.52	609.34	192.08
3275	6013	76.33	1203.22	351.67	1916.56	625.38
3330	12523	76.31	233.87	57.22	160.14	60.26
3875	25253	76.29	443.36	113.38	316.98	101.7
3679	24810	76.24	234.73	121.28	419.97	149.98
3786	20708	76.11	62.71	29.66	33.58	17.78
3621	15273	76.11	68.12	25.03	43.8	30.62
3060	7064	76.06	663.45	341.04	329.57	193.88
2906	20684	76.06	102.22	37.23	66.45	24.07
28	17687	75.98	69.13	24.41	39.16	15.2
4286	3831	75.95	76.21	49.71	33.73	23.37
3117	24707	75.88	803.26	267.21	1268.52	454.81
3956	1546	75.88	266.24	130.33	301.31	73.82
3326	1447	75.86	299.06	55.12	240.19	59.89
4252	588	75.83	549.32	261.23	944.83	266.61
2999	20464	75.82	1158.23	293.14	1791.43	557.37
529	15087	75.82	116.15	39.85	80.28	31.73

3844	11405	75.79	76.56	25.67	38.92	19.51
3749	21977	75.78	457.76	166.47	711.73	219.29
2970	32	75.77	240.43	118.96	298.15	82.32
3837	17299	75.77	46.84	19.86	26.78	13.14
3302	23961	75.77	762.83	315.82	1092.98	221.2
1216	2016	75.75	186.11	45.37	130	33.98
3939	21576	75.74	131.37	44.22	79.13	32.62

TABLE 5QQQ: Necrosis and Steatosis				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID	GLGC					
NO	Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
142	2485	87.09	301.35	148.09	766.8	293.22
2408	4275	85.35	1277.97	238.54	1805.19	414.55
204	6018	84.52	1559.26	820.19	5911.24	3944.14
2479	17672	84.37	1329.91	331.11	2124.16	514.77
2604	5355	84.32	1731.56	424.96	3257.85	1024.99
162	3757	84.22	194.8	87.81	77.1	37.2
1930	11165	83.62	507.81	110	793.01	199.96
3215	8900	83.33	1427.98	406.2	2778.77	987.39
3323	15141	82.78	218.69	43.11	144.76	47.16
1214	23417	82.61	375.58	128.63	227.51	68.84
1996	17812	82.49	1132.09	413.31	2139.03	697.37
3411	20716	82.19	1105.92	163.26	1651.12	473.09
362	18765	82.19	1800.73	478.16	2872.67	859.44
2036	5954	82.17	2102.15	884.46	3662.39	1142.25
2412	18491	81.98	683.9	165.05	1083.7	287.53
1225	3971	81.94	88.08	30.74	47.07	20.7
231	20668	81.84	72.21	20.61	121.71	37.41
2045	3579	81.79	1234.47	273.95	1929.28	600.63
3328	15535	81.57	708.77	118.92	517.37	135.36
2719	11431	81.55	145.85	77	66.59	24.08
2285	6189	81.44	1542.93	643.32	3966.14	2203.02
2528	4272	81.41	83.67	49.48	33.25	75.56
3324	5749	81.33	298.26	56.95	195.75	84.89
4109	25589	81.32	210.32	53.06	131.13	42.16
3364	1173	81.31	742.55	454.97	1586.26	697.03
2713	14312	81.17	326.74	90.55	497.21	136.33
2275	21603	81.15	1212.98	370.02	2069.88	610.36
3408	24626	80.93	1309.57	166.39	1767.36	393.81
2011	7497	80.87	1241.89	255.45	1723	333.36
989	23657	80.83	259.82	139.58	127.66	53.5
577	13574	80.76	250.93	141.15	307.11	93.16
3327	3254	80.65	414.78	110.19	254.22	87.9
4110	22196	80.61	125.92	70.59	46.72	29.21
2147	11623	80.58	1887.33	621.9	3594.35	1409.39
3287	10504	80.58	636.99	167.51	958.22	259.78
2717	16943	80.57	1285.79	298.18	2022.55	500.28
1801	15218	80.52	1216.73	233.49	1731.53	337.77
3444	24321	80.41	429.18	228.9	806.94	257.88
1584	5723	80.37	590.64	275.9	1184.07	493.28

3613	14970	80.24	158.7	76.41	184.47	40.93
1525	23950	80.21	74.65	25.89	40.57	14.9
3142	16947	80.2	742.4	210.62	1160.02	319.96
97	24228	80.07	716.79	111.15	983.77	263.55
2560	2587	79.98	1074.05	277.8	1658.76	455.64
3142	16948	79.93	654.81	225.52	1126.56	360.05
2944	1336	79.83	81.06	17.51	52.73	22.9
2151	13097	79.8	99.38	75.51	349.17	246.74
3953	16993	79.79	649.83	273.66	1064.8	292.1
2453	15490	79.78	248.87	75.87	150.13	49.97
2035	3916	79.65	890.06	409.75	1549.67	402.33
1936	24212	79.63	1172.57	239.9	1641.83	372.13
886	22457	79.59	408.8	180.42	193.94	129.12
1072	2350	79.56	955.99	321.9	651.47	173.2
2247	2596	79.48	669.98	194.8	1070.07	342.06
28	17688	79.43	102.39	40.44	55.25	28.9
1303	16904	79.4	464.89	146.83	306.62	98.06
1126	20694	79.29	263.93	125.81	438.67	149.04
93	22918	79.25	63.18	30.45	35.56	35.31
562	820	79.23	1295.43	287.9	2112.37	661.96
2434	12252	79.2	656.99	184.72	982.53	219.13
4219	670	79.12	873.34	222.06	1213.49	265.11
4107	229	79.12	489.47	134.3	683.72	158.09
3330	12524	79.11	545.12	129.85	390.24	110.34
7	16950	79.11	102.81	43.92	50.15	27.5
2993	21053	79.1	1034.56	268.7	1906.14	724.73
1998	1335	79.09	904.96	223.85	1229.56	238.42
2450	2748	79.03	191.97	64.73	112.27	43.71
362	18766	79.02	1035.29	315.08	1729.26	581.54
1188	3062	79.01	2084.87	958.88	3322.07	897.9
2972	1695	78.97	20.52	18.64	58.84	36.43
356	6403	78.92	96.11	38.05	58.7	28.47
4062	25496	78.92	142.88	47.99	88.37	38.98
2076	1902	78.92	107.16	60.25	228	107.02
3830	19827	78.86	840.98	364.48	1869.2	780.44
2186	21467	78.81	738.47	284.26	1620.72	767.68
1229	7005	78.76	99.56	32.27	64.45	23.65
2568	2913	78.74	714.79	198.56	1041.32	208.59
1791	15080	78.72	418.84	111.2	622.11	150.36
195	17408	78.67	957.2	283.76	1683.57	511.11
1241	20741	78.65	77.26	55.77	21.23	28.79
1690	10472	78.64	88.97	50.1	199.04	92.19
3679	24811	78.63	952.62	379.79	1513.77	453.52
1554	5465	78.58	629.6	323.17	780.39	203.19
2336	6303	78.57	103.81	32.64	67.94	19.71
2183	6739	78.57	150.82	26.06	116.96	34.81
3693	17941	78.56	1946.9	668.45	3561.87	1231.96
2372	6455	78.56	1871.61	722.95	3694.47	1289.02
239	24629	78.54	426.74	48.61	361.47	92.29
1735	10902	78.52	270.88	184.24	46.15	151.33
372	15149	78.48	214.72	81.42	111.85	45.18
1668	8808	78.46	250.96	173	420.61	109.69
1797	10227	78.46	310.29	40.74	421.94	113

236	230	78.45	1634.61	559.45	3148.45	1027.38
1962	12654	78.43	118.21	42.08	209.7	86.59
3519	24838	78.42	1342.12	252.82	1784.89	336.82
996	14509	78.35	2275.37	1157.08	5079.26	2283.96
2413	16913	78.34	835.01	241.01	1233.66	280.72
2195	19363	78.29	790.9	442.35	1915.34	900.41
1852	16884	78.24	1981.67	844.28	3749.69	1517.1
1999	16484	78.22	113.65	28.89	76.53	39.09
3184	5033	78.21	771.57	206.94	510.42	286.02
2899	4360	78.19	138.39	64.37	266.48	128.71
3407	15680	78.05	278.2	135.46	140.33	53.98
3599	1175	78.05	232.34	169.31	637.41	346.62
404	22927	77.89	57.66	29.42	27.31	17.38
4041	10544	77.76	307.89	113.08	177.64	68.59
3635	17427	77.72	782.27	229.68	1126.84	247.06
4262	16272	77.7	1149.5	387.95	1836.34	533.31
3616	15487	77.59	141.84	65.36	64.03	28.71
3483	8984	77.57	286.28	81.7	178.85	57.12
3775	25443	77.54	761.32	228.47	1123.44	336.3
4179	9842	77.53	1038.14	372.49	1612.5	408.91
3655	14295	77.51	83.3	56.87	29.39	21.75
2870	727	77.5	278.29	58.71	202.6	50.9
424	16013	77.38	46.5	19.59	26.44	10.36
2866	1531	77.3	659.79	202.76	1061.36	325.14
3177	6107	77.21	193.5	96.56	91.18	53.79
3274	10886	77.19	594.81	225.38	983.26	410.34
3568	18728	77.14	141.33	41.29	98.37	23.4
4041	10545	77.14	367.98	125.94	215.66	85.82
3450	20299	77.13	467.49	205.02	729.83	248.48
3749	21978	77.11	108	32.02	178.93	66.61
4221	21123	77.08	610.82	236.64	952.27	276.89
589	4590	77.01	21.19	31.56	51.88	26.57
2957	1481	76.98	108.89	39.47	57.59	28.87
2993	21052	76.94	156.66	90.07	293.4	108.53
67	20998	76.92	890.05	211.6	1253.01	335.62
3116	16306	76.89	837.63	177.97	1104.49	255.03
25	16942	76.87	954.72	263.15	1442.07	498.11
4162	851	76.81	336.98	110.19	438.26	105.33
2871	812	76.8	295.24	144.73	448.02	113.86
3357	5621	76.78	102.49	49.35	183.31	68.13
3405	15066	76.76	875.94	261.35	1335.71	355.35
3727	18494	76.71	90.37	40.55	47.64	25.64
3238	20728	76.59	353.36	77.32	262.01	83.55
4272	463	76.56	32.22	10.62	20.87	9.02
4221	21122	76.55	982.26	313.72	1534.32	488.06
3329	8957	76.53	614.35	137.63	472.66	100.57
3329	8956	76.51	307.2	64.86	233.02	63.04
2949	3549	76.47	314.73	122.77	199.55	79.79
3666	17448	76.39	107.7	47.37	53.28	35.99
3749	25480	76.35	396.02	159.52	609.34	192.08
3275	6013	76.33	1203.22	351.67	1916.56	625.38
3330	12523	76.31	233.87	57.22	160.14	60.26
3875	25253	76.29	443.36	113.38	316.98	101.7

3679	24810	76.24	234.73	121.28	419.97	149.98
3621	15273	76.11	68.12	25.03	43.8	30.62
3117	24707	75.88	803.26	267.21	1268.52	454.81
3956	1546	75.88	266.24	130.33	301.31	73.82
3326	1447	75.86	299.06	55.12	240.19	59.89
4252	588	75.83	549.32	261.23	944.83	266.61
2999	20464	75.82	1158.23	293.14	1791.43	557.37
529	15087	75.82	116.15	39.85	80.28	31.73
3844	11405	75.79	76.56	25.67	38.92	19.51
3749	21977	75.78	457.76	166.47	711.73	219.29
2970	32	75.77	240.43	118.96	298.15	82.32
3837	17299	75.77	46.84	19.86	26.78	13.14
3302	23961	75.77	762.83	315.82	1092.98	221.2
1216	2016	75.75	186.11	45.37	130	33.98
3939	21576	75.74	131.37	44.22	79.13	32.62
3537	20801	75.71	174.53	104.38	61.22	43.1
4192	20715	75.7	631.56	305.69	379.9	431.78
2871	811	75.64	498.38	186.42	679.27	146.6
3386	20734	75.63	406.23	226.62	193.81	122.13
79	2098	75.63	197.62	62.14	131.89	39.14
4122	25078	75.6	257.77	72.5	360.32	102.61

TABLE 5RRR: Peroxisome Proliferator **Attorney Docket 44921-5038-01-WO**
Timepoint(s): Various **Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1886	18742	98.82	1395.22	377	331.46	139.11
2592	3860	98.23	1020.07	183.29	386.32	144.26
692	21354	98.04	2438.54	664.57	398.66	326.24
3927	9268	97.99	388.91	99.47	156.52	54.93
3958	17758	97.86	2183.07	1294.12	338.94	276.11
3335	26109	97.7	1431.69	788.49	130.13	201.23
4030	21355	97.64	1608.57	598.02	284.11	233.93
3708	15601	97.59	591.73	88.14	308.01	75.3
738	20711	97.54	1093.37	395.06	122.84	168.15
3722	20554	97.11	781.07	265.31	256.75	121.19
3857	16546	96.52	473.71	108.35	188.12	80.79
3731	17935	96.52	1301.26	245.19	417.34	241.18
1830	3279	96.18	1448.22	289.68	689.02	171.45
793	4271	96.04	773.49	392.46	50.42	98.08
3555	25070	95.93	871.16	132.57	495.28	122.26
2528	4272	95.91	447.67	209.78	28.57	53.7
1953	21164	95.72	891.44	192.29	356.8	153.87
777	21010	94.92	1825.11	610.76	661.38	258.7
3058	23698	94.15	2682.98	1467.86	327.6	259.44
3093	18749	94.07	340.43	180.29	59.1	43.36
1720	9805	93.8	651.04	107.46	388.61	96.62
282	21341	93.48	1729.16	293.99	844.97	286.35
2941	5616	93.33	701.71	115.57	1262.83	376.92
1573	24290	92.8	1566	269.08	2840.19	688.49
2079	2811	92.79	460.54	132.66	188.34	72.44

1234	22603	92.73	678.05	170.3	255.81	98.93
3168	16721	92.71	522.59	136.6	256.69	66.29
3472	20915	92.68	1741.17	527.25	519.29	335.46
1742	9372	92.36	992.51	290.48	290.67	172.25
2066	17027	92.11	459.3	164.1	1158.32	403.43
702	18890	92.1	2126.61	703.94	731.73	311.39
2140	11525	91.82	605.99	118	378.78	80.31
1088	2457	91.7	925.53	285.3	243.33	129.08
2625	14131	91.67	177.72	85.3	32.53	28.09
3993	18867	91.55	341.89	108.84	832.37	217.2
2589	5602	91.54	1093.96	425.02	195.9	181.31
509	3844	91.53	133.76	30.36	66.02	27.78
695	20038	91.53	224.07	64.78	66.56	52.17
2706	6512	91.45	261.67	69.23	137.69	58.66
1205	3513	91.38	224.19	72.29	102.21	27.27
3949	17887	91.27	674.94	138.23	1162.37	315.74
3495	20925	91.05	2025.8	953.53	398.28	388.07
897	2813	91	1449.62	337.35	788.66	202.18
1234	22602	90.97	418.08	125.73	118.05	80.02
3098	6055	90.93	688.38	146.53	1094.5	229.18
750	18891	90.88	1054.26	375.61	291.23	139.59
3162	15872	90.85	233.66	58.8	502.31	168.5
1268	3121	90.84	1531.83	384.49	808.91	233.77
1780	5597	90.72	97.1	25.96	172.5	42.38
1799	9522	90.55	30.09	13.71	78.75	30.69
875	22416	90.5	692.09	317.42	139.61	72.86
3276	2150	90.45	521.41	72.48	785.87	161.72
1509	6553	90.3	180.98	39.98	68.24	47.43
6	16704	90.3	1493.66	416.18	595.44	266.45
2432	21822	90.28	545.57	87.01	344.74	79.78
2932	1977	90.28	934.5	248.52	360.68	157.96
3044	4199	90.26	576.36	100.68	896.44	203.32
3557	19992	90.12	1056.22	170.88	617.21	213.79
3235	20851	90.04	291.79	138.72	64.52	70.23
688	22051	90.01	338.08	85.59	153.02	62.05
2361	3524	89.97	490.75	71.59	332.05	74.66
3929	16768	89.82	993.05	221.21	488.29	151.19
3293	21975	89.72	134.46	50.41	270.19	80.88
2471	3099	89.71	907.15	119.96	637.06	122.41
9	21815	89.69	381.67	92.68	210.21	56.32
3667	15175	89.55	413.05	95.48	229.57	63.71
870	22392	89.53	574.14	120.92	369.34	80.99
1906	24275	89.5	563.19	134.97	318.76	90.64
2433	6788	89.41	284.1	46.49	138.84	75.96
3357	5622	89.28	974.12	164.12	1603.77	372.32
4277	420	89.2	267.25	85.23	115.74	68.66
3093	18747	89.11	658.81	286.26	149.06	105.49
3340	17516	88.95	516.51	162.9	246.62	71.11
2041	22014	88.85	70.55	31.16	160.5	45.96
4192	20715	88.76	2217.46	1097.81	359.61	356.68
2850	1728	88.73	710.85	263.03	244.12	97.33
287	14507	88.59	283.34	107.83	92.58	91.6
3555	9929	88.54	1111.6	218.07	666.24	174.77

3949	17886	88.53	806.81	117.22	1257.51	424.91
1325	22840	88.53	478.71	118.87	882.27	261.28
2694	23228	88.39	670.47	187.41	1455.62	515.12
2092	18126	88.32	685.5	140.82	399.7	120.11
1524	3167	88.32	520.76	116.21	274.29	101.53
2643	15085	88.28	2781.4	893.62	1413.37	396.39
3675	21693	88.26	554.41	100.33	885.83	199.67
3191	19391	88.17	152.41	46.18	322.4	126.75
1194	3720	88.05	312.35	34.01	231.14	46.62
304	4163	87.95	286.14	77.56	126.79	79.16
3785	12496	87.93	35.43	9.11	77	29.81
2862	1354	87.89	535.54	152.35	258.55	220.17
3994	18083	87.83	367.23	288.94	21.22	51.65
914	22604	87.82	2296.72	720.82	1014.22	444.77
1825	8784	87.8	332.31	80.63	179.04	57.23
3857	16547	87.61	1479.5	304.08	813.12	232.12
1802	11954	87.6	2107.02	975.37	1701.5	472.72
3101	18725	87.56	88.4	26.82	216.37	84.48
1527	7831	87.48	327.01	42.02	451.45	82.81
919	22050	87.48	1406.66	297.61	762.8	382.68
2611	14103	87.45	114.63	38.57	267.93	112.19
4026	9096	87.32	795.28	258.03	369.53	436.81
3682	20724	87.3	34.94	17.31	85.73	32.91
2867	9135	87.3	963.58	109.67	744.99	134.09
3647	18315	87.05	195.41	95.17	44.7	32.67
603	7756	86.69	157.38	94.07	32.34	32.19
3074	20703	86.58	110.85	79.58	454.52	484.06
67	20998	86.57	724.75	229.63	1253.86	332.87
3145	21729	86.36	1520.29	697.04	633.94	312.6
536	14595	85.8	398.86	210.76	63.72	70
3270	18958	85.75	841.29	349.21	318.62	105.44
4006	18450	85.54	685.82	109.75	493.89	105.43
3978	48	85.5	392.22	108.61	672.18	188.91
4064	25500	85.5	79.5	29.1	156.14	51.1
2861	1351	85.16	61.44	17.14	39.4	23.22
3555	9931	85.04	911.87	180.18	611.39	150.58
2942	12158	84.86	488.42	266.07	229.44	545.86
3932	21848	84.55	419.85	70.76	300.4	77.78
2935	12156	84.24	1207.53	581.96	492.19	858.02
3806	13005	84.23	284.27	162.53	250.8	86.13
3836	17154	84.13	306.08	68.22	187.06	78.52
3073	20705	84.11	305.83	177.63	1037.14	951.07
3272	23660	84.03	719	242.9	1342.24	415.04
3722	20555	83.98	858.8	430.75	333.39	171.92
3240	21078	83.94	1132.66	178.79	732.96	210.84
3653	5496	83.88	269.46	90.87	495.69	154.23
529	15087	83.85	117.76	26.39	80.39	31.99
3092	382	83.84	184.44	52.17	298.72	88.62
4144	699	83.8	420.54	62.37	614.3	157.86
3528	15755	83.67	436.74	126.41	744.46	178.3
2981	25055	83.63	494.56	277.8	238.93	545.97
3345	16150	83.56	1732.97	956.96	655.56	225.21
4107	229	83.53	476.65	96.56	683.17	158.59

3288	20859	83.42	86.3	29.41	41.46	19.76
3101	18726	83.31	214.14	59.83	364.53	114.8
3428	19679	83.31	174.52	95.87	393.25	139.52
3731	17933	83.29	326.01	125.87	126.45	67.59
3150	6780	83.2	1165.95	265.02	781.43	186.55
3932	21849	83.16	255.45	48.89	155.92	59.77
3025	20713	82.99	2233.44	1149.79	698.6	475.99
3029	1973	82.88	253.17	53.56	393.21	106.51
1205	3512	82.84	188.43	56.13	109.67	22.12
467	21909	82.71	85.27	25.88	155.47	58.73
3661	6554	82.64	383.48	117.89	613.77	160.84
3647	18318	82.63	307.84	156.14	85.01	57.77
3718	17806	82.62	28.35	17.49	78.22	35.81
3929	16767	82.59	1114.94	256.57	598.92	188.52
2876	19590	82.59	109.66	39.53	52.83	28.39
3647	18316	82.52	272.93	146.04	71.63	53.95
3819	18175	82.52	873.12	220.25	492.37	109.45
3299	8182	82.51	948.23	221.02	1461.33	332.47
2877	135	82.49	191.44	52.76	308.11	109.98
409	23336	82.46	93.43	53.71	23.6	22.62
628	20985	82.46	312.53	142.66	134.71	54.21
3014	15579	82.32	2231.79	1412.02	1671.33	656.28
93	22918	82.15	148.21	76.06	34.53	32.02
2929	1421	82.14	206.14	55.75	137.96	22.3
1876	18509	82.13	365.15	46.59	269.39	57.64
4002	17203	82.09	1014.4	134.98	758.17	175.38
3219	24	82.06	21.95	12.59	53.02	24.96

TABLE 5SSS: Rat-Specific Carcinogen				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
3472	20915	93.91	1805.09	604.22	511.5	314.52
2338	16703	88.66	2138.04	506.86	1151	358.58
3927	9268	88.25	336.95	120.8	156.25	54.84
717	16067	87.61	409.09	114.06	166.21	113.22
2625	14131	87.2	150.18	85.27	32.26	27.88
3044	4199	87.07	611.54	119.74	897.5	203.17
1720	9805	86.93	601.47	126.8	388.13	96.51
1573	24290	86.56	1754.24	422.93	2843.5	688.37
3162	15872	86.1	265.64	82.22	503.15	168.47
2368	9032	85.89	833	120.24	600.82	156.37
2185	7022	85.56	108.49	40.67	36.13	37.46
2862	1354	85.48	489.01	150.84	257.93	220.57
6	16704	85.15	1320.9	456.21	593.86	265.98
2592	3860	85.1	863.45	299.89	385.85	144.31
1886	18742	83.72	1099.78	570.72	331.3	139.42
3682	20724	83.54	41.06	19.44	85.88	32.9
3653	5496	83.52	283.08	84.44	496.65	154.04
3093	18749	83.4	276.07	184.17	58.8	43.21
3141	23445	83.38	82.35	59.13	238.47	130.21

3653	5497	83.33	389.95	134.98	647.1	186.12
3958	17758	83.32	1635.9	1397.51	339.32	276.79
3357	5622	83.08	1056.24	205.4	1605.61	372.33
2528	4272	83.02	326.33	262.98	28.6	53.81
4030	21355	82.81	1197.89	828.88	284.72	234.39
3335	26109	82.78	1047.85	906.25	130.36	201.6
692	21354	82.78	1824.88	1133.25	399.24	326.93
2248	3969	82.63	427.9	66.47	574.31	144.07
1830	3279	82.51	1233.57	424.63	688.98	171.78
2860	25281	82.44	206.56	29.85	153.38	48.83
4033	6824	82.41	608.07	167.81	412.35	215.83
738	20711	82.35	792.82	585.45	123.27	168.49
3058	23698	82.27	2027.31	1621.74	327.27	260
1155	3302	82.2	161.88	45.78	263.17	89.59
1542	7926	82.17	145.03	33.86	94.57	52.51
2663	14202	82.14	125.33	53.49	57.41	52.28
4277	420	82.08	244.09	86.72	115.36	68.51
184	4291	82.06	143.23	61.43	312.22	138.74
3722	20554	82.03	636.3	323.16	256.65	121.44
793	4271	81.78	550.39	486.67	50.73	98.25
3857	16547	81.62	1328.12	373.64	812.39	231.92
2706	6512	81.49	232.08	79.58	137.58	58.69
470	21917	81.42	27.61	11.21	76.12	66.21
282	21341	81.38	1470.98	486.82	845.07	286.97
919	22050	81.3	1307.01	364.7	761.21	382.02
1285	16701	81.25	3576.94	1006.26	2250.42	688.67
3093	18747	81.14	540.21	308.81	148.55	105.43
1268	3121	81.14	1370.17	421.73	808.06	233.87
3708	15601	81.14	508.7	154	308.05	75.45
3645	28	81.01	455.22	163.25	811.05	265.6
3555	25070	80.95	776.25	192.1	495.05	122.45
2789	5046	80.88	40.05	15.39	78.3	42.16
2131	15673	80.85	1200.23	162.33	915.03	191.72
1742	9372	80.84	783.92	415.34	290.82	172.65
3215	8899	80.82	695.06	122.26	910.11	199.42
2243	15146	80.8	124.94	35.52	224.58	111.01
3879	15125	80.79	2526.33	930.66	1632.56	604.59
3879	15127	80.74	1046.44	242.52	686.77	324.88
1636	8315	80.63	205.65	79.92	75.33	61.5
777	21010	80.54	1512.33	722.25	661	259.12
1388	15033	80.53	483.41	57.93	397.1	82.8
3857	16546	80.52	384.87	171.05	188.26	80.91
2510	8036	80.5	107.25	42.63	190.64	67.22
3731	17935	80.44	1027.75	489.09	417.74	241.61
1932	9595	80.34	116.46	25.48	181.72	57.94
1953	21164	80.27	720.73	321.7	357.14	154.07
3495	20925	80.25	1545.55	1118.98	398.57	388.7
2021	3256	80.2	1363.2	223.24	1008.47	282.45
1234	22602	80.11	346.86	156.71	117.77	80.11
2611	14103	80.1	130.83	53.52	268.45	112.17
219	6281	80.09	428.91	67.82	322.98	57.65
3098	6055	80.06	755.74	171.13	1095.41	229.36
3557	19992	80.03	961.81	217.4	616.62	214.06

789	16944	79.95	653.89	186.47	493.26	118.6
3864	17653	79.94	33.67	9.69	61.84	28.94
726	3963	79.93	305.58	62.1	433.33	110.78
1234	22603	79.9	551.03	249.59	255.93	99.16
509	3844	79.84	115.57	40.04	66	27.82
2361	3524	79.74	466.11	84.63	331.66	74.43
875	22416	79.71	533.31	369.04	139.63	73.03
2222	24313	79.63	470.74	59.57	385.82	60.61
2627	18900	79.6	1105.69	187.66	800.38	174.92
3044	4198	79.56	808.6	112	1096	231
304	4163	79.55	248.62	94.31	126.64	79.23
378	11827	79.51	24.08	5.69	38.86	17.24
1194	3720	79.5	294.46	48.31	231.04	46.59
3675	21693	79.5	634.8	176.62	886.1	199.83
1205	3513	79.49	186.87	85.46	102.25	27.33
1755	9475	79.48	507.64	185.43	865.8	307.15
143	2544	79.42	142.29	38.28	223.97	68
1418	12766	79.4	535.24	155.92	819.07	248.03
2160	21676	79.39	56.27	22.06	23.05	23.13
1780	5597	79.39	113.41	35.69	172.6	42.44
3954	4312	79.22	300.11	231.72	59.29	145.18
2932	1977	79.22	751.49	363.3	361.04	158.19
3667	15175	79.14	351.74	129.02	229.74	63.77
4290	1561	79.05	678.96	104.86	876.64	222.96
2140	11525	78.98	543.41	145.13	378.73	80.39
3105	16217	78.91	331.03	49.07	453.05	151.94
3555	9929	78.88	984.42	275.55	666.24	175.2
2941	5616	78.86	798.91	213.64	1264.02	377.29
3417	12087	78.83	721.43	172.31	1033.05	313.71
4064	25500	78.72	92.72	36.52	156.3	51.14
2079	2811	78.66	376.87	175.31	188.45	72.58
3322	20913	78.65	1344.66	1526.29	252.08	239.71
3168	16721	78.6	439.68	176.78	256.82	66.39
3145	21729	78.6	1337.31	666.05	632.62	312.5
3993	18867	78.58	464.09	223.16	832.71	217.61
3198	1588	78.11	150.03	38.75	236.26	84.77
3702	4748	77.84	864.02	171.56	1193.49	354.11
3276	2150	77.8	578.71	114.96	786.21	162.02
4205	575	77.78	647.61	149.34	910.21	310.61
3357	5619	77.7	236.87	83.36	434.3	224.27
2850	1728	77.61	564.17	323.78	244.37	97.47
3929	16768	77.55	827.1	326.5	488.7	151.42
3156	17541	77.55	2640.18	1157.61	1611.53	611.61
3836	17154	77.53	282.38	73.61	186.86	78.6
4192	20715	77.52	1645.27	1301.97	360.39	357.44
3072	16519	77.51	167.17	65.13	374.61	224.57
3293	21975	77.45	162.3	68.52	270.39	80.94
3235	20851	77.42	226.26	158.41	64.53	70.36
3555	9931	77.42	842.19	198.93	611.09	150.67
3029	1973	77.35	278.95	64.12	393.47	106.7
3573	7872	77.32	201.16	69.12	295.58	81.6
505	21674	77.21	81.3	20.95	47.97	29.6
640	1562	76.92	632.49	156.59	886.15	225.36

3716	17601	76.86	54.6	26.05	103.26	39.63
603	7756	76.82	117.71	101.87	32.42	32.24
3879	15126	76.72	1875.41	613.22	1264.52	531.77
1244	25211	76.65	24.28	8.6	41.3	18.02
3202	17401	76.65	214.98	90.12	437.23	217.41
612	3381	76.48	152	27.96	112.85	34.15
3428	19679	76.48	207.81	106.28	393.8	139.56
3660	20940	76.46	712.05	180.72	544.11	214.98
3344	355	76.44	39	11.16	65.51	38.58
3322	20914	76.39	1239.7	1139.09	217.52	235.85
3634	18990	76.29	57.72	40.69	25.18	57.42
3994	18083	76.28	264.56	293.42	21.29	51.77
629	17752	76.27	316.19	69.14	474.47	141.73
3340	17516	76.23	440.41	184.62	246.6	71.25
3629	6672	76.22	51.56	15.14	78.39	25.38
3270	18958	75.96	677.7	394.05	318.89	105.63
3014	15579	75.96	2192.69	1209.56	1669.05	656.58
4030	20698	75.92	555.55	154.85	906.07	449.65
2860	9029	75.71	488.95	86.61	377.63	190.26
1566	20983	75.67	1372.88	425.72	990.57	285
3272	23660	75.57	819.62	309.13	1343.7	415.06
3528	15755	75.51	499.07	155.59	744.94	178.51
3749	21977	75.49	570.55	106.99	710.01	221.7
3891	15409	75.21	1048.64	448.2	591.54	275.01
3074	20703	75.09	161.99	107.91	455.4	485.2
382	15150	75.08	68.9	24.08	36.74	21.51
3647	18315	74.94	150.9	107.86	44.73	32.72
3288	20859	74.91	74.16	33.21	41.44	19.76
3573	25453	74.79	241.97	69.06	325.2	79.65
3949	17886	74.76	902.13	187.48	1258.14	425.92
3731	17933	74.67	272.09	138.91	126.39	67.68
3219	24	74.6	30.14	19.68	53.04	24.99
611	8438	74.58	53.2	34.64	94.94	45.26

TABLE 5TTT: STEATOSIS

Timepoint(s): Various

Attorney Docket 44921-5038-01-WO

Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3223	23710	99.44	426.99	158.47	39.74	127.2
3223	23711	99.12	1638.85	605.56	175.11	252.99
952	18383	98.96	1708.97	388.87	745.76	148.48
2882	24799	98.96	1195.6	333.09	301.34	104.38
2077	22204	98.88	738.56	369.62	102.92	76.96
3563	24800	98.78	461.64	85.12	137.87	62.98
2786	21043	98.54	464.68	225.48	71.55	45.75
2106	5339	98.22	1793.4	478.09	496.04	253.26
2882	25805	98.01	132.61	31.16	50.71	18.07
3229	25567	97.66	545.53	171.91	142.84	138.08
3083	20744	96.92	1141.12	158.4	343.95	298.59
3154	11136	96.17	631.45	96.47	314.65	116.78
1372	6044	96.07	1316.46	200.37	751.26	207.08

1838	4355	95.51	133.56	78.66	408.05	114.28
334	17461	95.43	2844.1	440.98	1402.43	543.42
2600	3917	95.43	2920.63	643.23	1576.49	500
1791	15080	95.37	316.04	55.21	620.44	150.65
842	7426	95.24	477.73	89.2	292.87	74.23
715	3944	95.22	198.86	23.52	380.78	282.11
2023	23260	95.06	125.82	46.12	20.66	49.17
3223	23709	94.76	1101.41	241.84	172.11	240.14
2495	7416	94.74	819.53	98.21	1178.85	224.36
997	24251	94.34	1038.37	755.99	86.17	107.9
3563	24798	94.31	1518.71	252.85	565.68	185.28
2182	22311	94.28	511.57	285.28	179.32	61.1
1660	3498	94.07	300.42	102.94	73.75	48.71
2848	24797	94.07	515.62	308.75	64.38	43.43
4164	957	93.97	264.22	94.11	94.59	44.99
70	21042	93.91	305.23	110.33	53.99	33.18
1841	15841	93.83	199.05	70.49	58.42	27.28
1625	4155	93.81	249.66	152.06	27.55	32.84
1944	24803	93.81	3007.25	749.04	955.38	309.22
2677	2789	93.78	317.62	114.62	74.43	42.55
1130	3145	93.67	297.63	84.46	649.4	207.49
3563	24801	93.57	1207.19	290.56	446.91	135.33
2124	7642	93.54	67.34	17.76	122.77	35.28
49	11314	93.51	257.97	67.63	98.13	28.06
1070	2342	93.41	401.37	137.42	134.67	55.66
1316	4154	93.41	555.97	278.15	84.83	71.73
3186	956	93.38	720.99	156.39	298.87	124.24
706	4725	93.3	579.8	359.59	21.53	107.74
1094	2486	93.22	249.93	52.97	520.51	164.41
4024	6988	93.2	2406.98	1034.92	410.58	325.25
3800	21709	93.17	357.59	73.41	192.65	45.44
4090	357	93.12	231.23	115.1	73.5	31.36
1221	1597	93.12	609.69	268.54	115.4	119.12
1586	6697	93.06	178.7	37.6	75.11	28.96
3344	355	93.06	212.6	98.49	64.16	36.13
2508	4731	93.04	254.16	159.28	53.52	76.17
227	6295	92.96	2644.86	728.83	1083.65	420
2577	3435	92.93	184.96	25.05	287.41	58.82
1591	12825	92.88	413.85	151.26	143.86	52.1
476	21951	92.85	235.98	51.62	104.25	32.95
496	13686	92.85	103.07	42.55	43.59	16.51
2444	13785	92.85	91.31	36.25	28.32	17.53
3492	21063	92.85	136.54	43.55	45.61	21.99
3208	14997	92.82	813.66	304.23	286.03	274.33
3379	17908	92.8	341.3	138.37	71.19	114.56
3187	20943	92.77	504.3	179.19	266.22	58.79
569	11992	92.77	67.46	16.69	29.71	12.57
53	2040	92.74	774.24	317.67	220.97	113.13
1619	4789	92.74	254.77	78.25	69.47	41
2081	5953	92.74	1015.17	452.24	182.21	219.21
42	17380	92.72	501.31	97.98	259.51	56.66
3863	15642	92.64	808.95	240.2	374.02	156.59
725	4879	92.5	43.62	17.28	129.37	58.19

891	12306	92.5	2687.68	503.28	1137.44	517.33
2459	13838	92.5	305.8	60.31	157.62	44.52
2167	3418	92.42	529.23	125.97	288.59	78
2744	18783	92.34	799.23	207.78	388.28	110.02
1517	7745	92.32	303.03	102.02	126.97	55.6
2596	3885	92.26	557.57	199.34	208.63	88.95
177	8728	92.26	208.46	62.82	83.42	35.75
3271	1261	92.24	233.6	72.24	90.59	42.72
2175	22906	92.24	1786.46	657.16	555.14	414.33
3856	24778	92.21	1059.35	415.5	106.33	248.96
2498	13446	92.19	143.37	61.44	33.71	35.39
4153	1547	92.16	165.73	44.72	72.18	26.43
264	12119	92.08	360.14	104.12	138.92	67.02
4009	10018	92.08	446.94	151.08	201.19	91.27
1328	22545	91.97	609.53	157.46	241.55	110.06
1983	8634	91.97	294.7	88.11	115.8	60.8
594	11997	91.95	481.41	141.93	198.28	83.2
2632	4670	91.95	1831.85	620.15	481.05	417.75
2550	15173	91.81	785.73	283.53	350.8	158.06
840	22187	91.79	489.34	68.52	924.01	380.14
3271	1262	91.79	137.48	48.83	48.4	30.03
3559	25682	91.73	71.76	23.47	31.87	18.4
201	6135	91.71	60.23	28.77	167.14	63.23
754	11533	91.55	146.33	72.7	22.77	54.12
2386	22835	91.55	606.59	168.59	329.6	87.98
1250	21757	91.49	139.6	29.05	57.08	32.39
581	19086	91.44	307.02	105.81	121.33	68.32
3424	18727	91.41	1422.51	224.04	760.02	380.58
1425	3961	91.39	114.72	26.66	56.91	23.54
1922	12965	91.39	163.31	40.52	65.42	44.71
1022	5989	91.31	352.05	40.06	207.94	64.14
1831	17753	91.28	318.47	66.17	178.84	58.86
1028	12000	91.25	733.3	182.64	313.58	160.02
3534	21238	91.2	264.41	107.68	78.93	76.74
2891	21864	91.02	53.11	15.17	23.33	12.17
4068	15832	91.02	147.96	26.99	93.63	36.79
3617	17379	90.88	329.17	96.81	117.22	69.28
74	15011	90.88	155.88	46.39	82.42	32.9
3154	11137	90.75	791.65	145.34	412.17	156.26
3492	21062	90.14	82.55	21.3	24.77	77.95
3162	15872	90.11	910.15	170.07	496.35	167.4
3856	24779	89.87	1128.09	336.53	217.04	431.31
2983	21097	89.87	1420.72	240.02	921.49	391.32
594	11998	89.85	84.46	30.21	30.83	23.8
3801	18795	89.79	986.47	184.83	539.29	202.72
3299	8182	89.74	1203.09	47.91	1456.02	336.76
3192	24264	89.66	134.26	38.26	53.05	39.71
4164	958	89.58	807.4	316.04	296.8	130.18
3648	16163	89.55	648.04	88.56	458.64	164.64
2973	13682	89.15	288.54	74.18	153.7	61.35
3229	3430	88.84	690.29	198.65	233.82	132.92
3416	18702	88.81	164.57	74.52	58.66	22.27
444	15371	88.78	399.55	39.17	276.85	80.39

4143	25608	88.76	101.93	59.54	26.16	15.79
92	7947	88.46	131.98	31.57	80.52	36.3
3556	22282	88.44	147.9	29.13	93.96	29.46
1220	15292	88.38	358.65	103.05	161.56	63.44
2934	1549	88.38	410.81	141.11	184.09	57.88
3856	25321	88.2	798.05	338.01	64.55	167.83
3651	1920	88.17	790.83	133.55	440.27	270.56
4285	1818	88.14	1238.63	134.19	2116.18	830.64
3568	18728	88.04	141.59	26.39	98.85	24.21
3227	16982	87.99	987.99	320.68	332.79	475.14
4087	40	87.85	124.51	70.07	364.67	185.93
439	15313	87.8	99.62	50.66	27.35	36.67
610	14465	87.64	108.1	89.05	52.01	35.18
3248	15621	87.53	663.06	152.66	368.33	86.66
4212	1959	87.45	1193.48	118.42	2992.83	1816.78
3981	14822	87.37	293.24	88.39	140.34	51.94
4088	111	87.29	1115.66	277.57	3169.68	2035.12
394	21707	87.27	154.97	77.69	40.63	51.97
4091	2010	87.24	1441.28	152.66	2692.81	1261.9
3626	4234	87.21	1161.14	205.78	613.08	296.43
511	22314	87.13	300.82	75.74	141.88	48.44
2803	5545	87.11	792.71	164.59	1493.88	573.16
4286	3831	87.08	58.81	13.55	34.3	24.63
104	13930	87.03	252.18	77.11	147.06	105.72
4047	14632	87.03	1014.2	130.21	1528.57	1137.28
3196	23544	87	1094.48	73.24	1407.07	333.8
3643	4010	86.98	1382.63	273.1	3098.05	2058.69
3581	15683	86.87	121.35	56.18	38.42	29.66
3080	6477	86.84	1694.29	106.3	2267.84	867.07
4063	8210	86.84	338.41	120.93	125.65	85.94
2953	108	86.76	1105.33	125.21	2181.99	1123.63
25	16942	86.76	886.77	126.9	1437.03	498.61
3534	21239	86.74	765.8	261.3	322.09	178.98
581	19085	86.68	210.93	69.97	86.09	45.38
912	1798	86.68	1484.39	174.76	2804.34	1336.11
3401	23491	86.66	67.14	20.87	140.44	66.74
485	22860	86.63	118.74	38.34	54.3	23.7
3473	8211	86.52	1188.67	125.17	2378.65	1113.31
3564	1853	86.52	1338.93	193.22	2982.14	1637.61
3294	2968	86.44	1151.48	133.67	2449.68	1262.65
3643	4012	86.44	1414	214.2	2443.23	1160.81
3161	17306	86.36	1382.22	224.07	2606.3	1273.84
1836	14981	86.34	1141.57	161.43	3446.36	2312.72

TABLE 5UUU: RAT-SPECIFIC				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3879	15125	84.77	2623.95	842.22	1575.67	471.37
3472	20915	84.21	1482.7	752.57	479.62	262.28
2862	1354	84.01	450	153.08	233.59	190.41

4033	6824	83.81	570.81	162.86	351.71	78.39
2021	3256	83.57	1327.42	208.33	955.28	187.49
1268	3121	83.13	1330.48	375.72	836.94	183.13
2964	1795	81.97	1366.31	887.03	488.96	235.87
3879	15127	81.68	1013.56	234.78	633.55	253.76
1755	9475	81.6	554.87	188.47	926.41	276.42
3879	15126	81.56	1930.63	559.32	1189.75	434.61
3221	1794	81.53	5412.3	3108.18	2071.41	743.87
3156	17541	80.76	2645.89	1005.53	1588.11	444.98
3322	20914	80.53	1009.29	1047.24	178.67	134.52
3202	17401	80.2	249.15	110.67	498.58	206.08
2368	9032	80.16	777.18	139.95	567.86	106.91
219	6281	79.84	410.15	69.85	320.11	51.59
3836	17155	79.8	215.12	68.73	120.66	39.81
3357	5619	79.79	234.51	76.77	428.18	206.04
3162	15872	79.72	316.51	151.16	505.15	145.68
3653	5497	79.52	439.76	156.19	667.03	148.87
3141	23445	79.44	107.93	72.7	261.76	108.44
1314	12071	79.32	437.27	132.16	673.92	155.11
2131	15673	79.32	1145.62	173.26	888.43	148.78
3653	5496	79.04	324.6	106.16	510.54	122.43
1155	3302	78.92	174.53	48.02	254.31	62.31
3357	5622	78.92	1177.98	293.41	1609.15	289
3879	15124	78.88	1906.64	608.89	1304.79	348.07
1542	7926	78.72	145.13	39.34	91.73	48.52
717	16067	78.6	357.16	134.38	167.5	105.75
2510	8036	78.55	118.43	46.42	195.61	61
3781	18401	78.52	952.54	142.57	761.61	132.38
3273	1551	78.39	726.73	197.84	1088.03	324.71
3072	16519	78.27	172.13	64.03	364.2	199.28
3675	21693	78.04	681.45	178.86	928.07	172.96
1573	24290	77.96	2055.4	647.82	2979.79	584.6
3766	14670	77.92	1672.79	437.76	1140.11	274.32
3093	18749	77.76	223.32	181.08	58.27	43.29
2027	6479	77.71	630.02	288.07	1032.96	330.38
2016	15286	77.67	549.76	79.17	447.88	78.99
2611	14103	77.43	176.73	118.86	297.35	100.28
3528	15755	77.4	544.46	170.72	779.61	143.84
2627	18900	77.28	1056.95	181.06	771.95	138.73
4107	228	77.23	397.22	79.43	512.97	100.94
2185	7022	77.16	86.36	52.28	29.16	25.94
1808	2057	77.16	615.68	202.97	388.23	106.91
1244	25211	76.91	24.5	9	43.05	18.48
1780	5597	76.84	124.85	41.46	179.07	38.09
3101	18726	76.83	251.29	75.38	375.83	101.91
2625	14131	76.8	118.04	90.81	33.66	26.22
781	5140	76.79	44.4	21.02	74.83	28.36
3044	4198	76.79	853.32	161.43	1091.61	171.92
2215	22139	76.72	837.69	164.99	644.66	117.16
470	21917	76.71	31.58	13.87	64.87	39.46
3864	17653	76.67	35.76	10.15	57.57	22.45
4030	20698	76.63	601.93	178.63	879.35	280.22
2663	14202	76.56	111.74	58.74	56.98	49.7

3044	4199	76.55	690.94	183.72	898.75	164.81
2558	573	76.51	618.11	237.13	975.07	295.14
2440	16998	76.47	20.38	16.28	45.95	27.03
9	21815	76.4	309.71	107.25	209.22	52.06
3927	9268	76.36	282.52	138.46	155.55	53.75
4205	575	76.27	664.14	145.02	897.58	252.02
3006	25430	76.27	486.71	102.89	644.44	170.21
1171	17470	76.24	277.71	114.79	145.34	62.06
2338	16703	76.24	1913.89	582.91	1240.26	288.4
3557	19992	76.16	875.05	239.2	580.22	132.3
3322	20913	76.12	1066.66	1380.37	219.71	119.06
3221	1793	76.04	2478.8	1576.77	1097.84	375.98
629	17752	76.03	340.85	78.71	495.89	132.62
1720	9805	76	550.71	138.31	395.29	85.74
3098	6055	75.99	817.68	186.74	1113.58	195.57
3931	20707	75.88	1074.4	363.88	623.34	229.96
3101	18725	75.79	128.6	61.82	225.51	75.92
1868	7223	75.76	360.85	96.68	255.52	64.21
3808	9055	75.75	510.14	112.71	367.61	91.06
1024	23928	75.67	111.29	26.45	146.26	33.19
2248	3969	75.59	473.73	110.17	597.57	115.6
2029	20466	75.55	284.65	103.54	459.19	140.55
3426	17324	75.47	295.81	60.17	404.23	102.12
2578	19287	75.47	42.68	12.35	62.32	18.46
2706	6512	75.44	208.39	81.87	136.6	41.71
1638	10200	75.43	39.83	18.9	22.12	18.89
3978	48	75.43	648.81	302.27	683.58	167.49
2581	14264	75.36	202.97	116.57	87.57	62.25
144	10623	75.31	1092.74	764.49	1180.6	478.26
1453	22592	75.24	106.81	104.36	40.04	56.27
136	1822	75.23	33.68	10.71	57.49	22.41
2620	23296	75.23	485.14	116.31	329.92	87.08
3932	21848	75.19	379.76	69.57	292.87	68.85
702	18890	75.16	1507.23	832.9	737.74	225.08
143	2544	75.15	162.97	51.61	239.6	63.17
304	4163	75.07	223.36	94.7	123.16	67.03
3093	18747	74.92	451.34	306.82	146.19	105.34
2884	1641	74.87	61.36	24.27	108.26	38.6
3849	17091	74.84	76.85	38.1	36.58	18.42
3417	12087	74.79	793.42	209.52	1114.3	244.52
1802	11954	74.79	2126.74	748.7	1724.99	462.74
3584	6911	74.78	180.24	36.01	248.73	65.16
1932	9595	74.71	126.92	36.44	183.5	50.27
1332	15593	74.71	217.21	66.32	138.49	62.47
2860	25281	74.67	190.57	38.95	144.14	32.18
1263	4037	74.62	28.03	37.34	65.97	41.49
1112	2828	74.59	161.9	36.94	125.9	34.36
643	22150	74.54	61.47	11.65	84.4	24.9
435	20701	74.54	603.12	180.17	865.54	266.35
3133	20354	74.5	21.53	11.34	43.9	31.61
3344	355	74.5	41.66	12.83	64.66	25.6
3876	16043	74.46	101.39	21.39	128.12	30.01
4118	1479	74.43	222.6	80.87	317.81	84.69

3645	28	74.43	556.17	223.25	892.23	208.14
3775	25443	74.42	917.97	200.37	1189.29	304.35
300	8872	74.4	695.6	245.44	441.84	110.47
2160	21676	74.39	45.49	30.66	21.64	19.7
4064	25500	74.31	104.95	40.42	161.29	47.83
3993	18867	74.31	549.12	243.77	865.2	172.47
823	22008	74.3	296.37	49.26	368.53	82.95
3042	1529	74.27	449.23	105.31	605.6	103.81
1643	8422	74.26	97.71	48.06	45.21	70.14
1787	14208	74.14	106.41	32.72	151.77	45.17
3634	25069	74.12	458.66	326.61	147.86	116.19
2337	22802	74.1	67.36	24.66	108.03	47.66
402	16320	74.07	68.75	22.55	105.75	30.18
359	14234	74.07	710.12	202.7	514.62	105.95
3105	16217	74.06	352.45	61.76	458.46	111.46
3800	21709	74.02	160.94	19.47	190.32	34.28
3250	19899	74	2454.55	1380.92	1433.96	445.39
2592	3860	73.95	733.59	336.39	383.38	129.24
261	22631	73.9	771.81	115.3	955.88	196.97
1636	8315	73.87	171.23	93.34	75.82	53.3
3172	7899	73.79	537.75	159.47	741.17	168.29
3022	16604	73.71	61.54	25.94	88.21	26.77
4209	25087	73.7	38.08	24.46	100.81	75.21
3268	11152	73.67	186.78	106.84	347.81	128.05
1641	19230	73.67	276.66	69.71	191.62	79.45
6	16704	73.67	1096.27	543.24	636.71	246.74
1886	18742	73.64	890.26	597.59	348.27	118.54
3193	1640	73.62	32.29	13.18	53.68	22.73
1317	11322	73.62	570.09	121.59	707.68	153.56
93	22918	73.56	92.07	80.7	30.87	17.21
3058	23698	73.56	1548.07	1592.18	309.32	237.84
3594	11849	73.55	844.24	144.27	709.23	125.29
340	18001	73.55	548.83	190.37	757.27	154.69
1648	8490	73.54	204.48	63.75	299.89	91.72
688	22051	73.51	258.88	106.95	147.42	54.9
2951	25363	73.5	591.88	255.04	857.83	389.42
611	8438	73.5	57.52	31.14	98.73	40.98
151	5996	73.5	159.2	44.36	236.79	75.36
3261	20876	73.47	2650.93	742.89	2139.21	589.85
838	24262	73.47	489.17	120.75	369.47	91.5
2033	8213	73.43	4912.91	1897.47	3437.62	1274.23
2963	43	73.42	325.82	84.6	439.75	109.96
2634	3816	73.39	443.14	71.75	363.33	64.33
420	15987	73.31	62.26	47.32	20.08	20.67
927	23035	73.3	473.9	123.19	646.68	172.92
3660	20942	73.27	953.3	204.49	774.59	190
612	3381	73.27	141.94	34.99	110.43	30.51
148	2845	73.27	689.05	103.71	592.14	77.83
3276	2150	73.23	630.81	141.33	830.26	130.29
46	20093	73.22	48.26	10.8	64.16	23.52
657	23731	73.22	101.69	20.69	130.28	28.17
135	1802	73.22	238.13	66.2	327.53	81.18
3954	4312	73.2	235.82	224.84	33.76	63.24

1830	3279	73.15	1088.81	437.58	708.82	164.9
4030	21355	73.15	917.83	844.58	259.39	201.32
363	4591	73.14	34.96	13.53	54.39	16.85
2533	13967	73.11	22.92	28.23	41.7	22.6
2647	21321	73.06	58.84	34.04	105.23	52.07
2127	11205	73.03	724.82	212.26	968.6	208.4
1388	15033	73.03	456.45	71.62	395.17	64.39
2222	24313	73.03	456.07	59.17	390.07	51.2
947	22729	73.02	115.41	54.9	185.14	77.04
1479	21933	72.99	4013.66	1903.79	5044.56	1583.57
3428	19679	72.99	240.64	111.55	422.94	122.95
3958	17758	72.99	1259.39	1342.92	351.61	238.28
692	21354	72.99	1398.38	1195.69	367.12	285.6
2391	7073	72.98	47.32	27.22	67.34	27.33
1938	23851	72.91	286.6	133	420.69	111.87
3797	20842	72.91	406.62	61.29	342.19	55.12
3422	21336	72.9	41.66	19.73	79.22	56.77
3049	13489	72.9	70.09	15.02	91.25	22.4
835	6691	72.9	174.21	48.64	238.28	67.46
3949	17887	72.87	889.35	265.66	1232.81	268.22
1599	6825	72.87	551.84	111.71	430.92	97.87
1903	3309	72.87	106.59	41.77	70.37	32.29
1981	2917	72.86	448.21	83.45	368.22	91.48
2935	12156	72.84	2561.41	3292.23	361.23	292.93
310	17766	72.83	603.51	92.66	491.63	80.16
3473	8212	72.83	2740.78	989.8	1974.73	664.9
3119	10626	72.83	1612.36	1089.21	1779.02	612.96
2242	16124	72.82	113.44	50.99	186.16	65.39
2936	12157	72.8	2870.9	3366.14	419.08	413.71
1181	12644	72.78	26.28	44.78	78.85	56.42
928	18661	72.78	475.5	80.82	583.48	121.2
2642	1653	72.78	329.58	81.83	395.72	79.72
4118	1478	72.78	355.19	97.16	455.16	99.81
2728	5052	72.75	2743.59	662.56	2176.68	543.34
3119	10624	72.75	1390.56	948.63	1449.5	577.99
3215	8899	72.74	756.2	151.64	940.24	173.69
2769	4175	72.71	701.75	194.72	472.55	195.09
2110	15109	72.63	256.6	46.04	222.37	48.99
2708	7307	72.63	40.63	18.23	24.09	16.27
3293	21975	72.63	182.91	70.69	272.58	66.08
3119	18719	72.63	1332.18	856.5	1376.5	458.54
1798	22099	72.62	145.43	58.7	238.89	86.05
1285	16701	72.59	3333.07	963.58	2408.6	540.48
3253	6598	72.58	105.96	43.94	176.32	75.3
1976	8880	72.58	176.61	92.7	348.91	169.26
2655	14181	72.58	121.73	30.27	163.68	39.99
1593	5877	72.55	257.38	60.52	195.77	52.29
509	3844	72.55	98	47.59	62.86	23.35
2730	19298	72.55	483.75	222.96	289.1	72.69
750	18891	72.55	721.37	444.53	298.66	102.51
1062	2588	72.51	163.3	60.42	88.17	53.39
2433	6788	72.51	188.62	118.49	130.87	63.84
2528	4272	72.51	240.67	265.09	23.84	51.73

2685	15181	72.5	54.31	21.75	81.57	24.71
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TABLE 5VVV: CROSS-SPECIES				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
1709	22929	83.24	394.12	515.32	1534.77	686.66
1101	2569	82.29	630.24	415.15	989.19	173.5
3749	21977	82.24	464.63	198	780.41	175.78
2225	11536	81.48	317.72	100.47	557.76	184.32
1709	22930	80.14	191.46	207.77	653.18	319.12
2607	6033	79.4	716.61	249.8	1062.57	212.84
1723	9191	79.34	400.77	242.37	779.36	243.39
3444	24321	79.16	512.27	249.23	887.31	195.16
636	12312	79.07	703.85	259.81	1057.79	204.56
3749	25480	78.92	397.83	176.45	668.05	155.44
4162	851	78.82	341.55	91.74	468.09	89.15
3024	1246	78.71	47.51	26.09	87.31	25.08
1691	9012	78.22	435.12	235.52	780.51	226.32
1457	2799	78.2	275.26	185.42	572.83	193.68
2238	7697	77.99	303.79	122.05	492.04	131.21
186	4330	77.94	1067.48	470.26	1662.6	338.32
3171	18564	77.77	288.02	95.25	407.63	80.26
159	6015	77.74	1128.2	366.47	1629.76	315.95
2609	3823	77.63	732.5	256.15	470.91	100.24
1285	16701	77.57	1752.03	751.41	2408.6	540.48
128	5934	77.4	202.01	137.26	416.91	140.61
816	22928	77.34	119.56	120.44	339.96	175.3
2519	633	77.16	1074.18	322.52	1421.84	214.49
3582	15700	77.14	335.75	110.41	485.59	105.24
3029	1973	77.02	295.11	83.61	422.87	94.38
813	17496	77	98.47	97.25	306.27	173.05
1895	22931	76.98	56.52	55.7	167.43	94.51
898	22554	76.63	1092.05	405.08	1639.91	357.08
2871	811	76.62	525.24	164.95	723.4	109.86
370	21025	76.47	45.64	43.97	98.56	42.78
2779	15170	76.47	138.72	60.59	212.65	45.31
3953	16993	76.45	770.2	335.43	1150.39	220.57
2630	8549	76.4	445.47	209.86	734.11	181.93
1787	14208	76.39	94.3	42.17	151.77	45.17
1430	1409	76.15	313.43	130.02	435.65	95.7
1911	4914	76.08	330.15	160.59	522.44	124.28
3202	17401	76.04	265.35	158.54	498.58	206.08
389	11635	76.02	211.28	82.62	314.64	73.27
3776	23558	75.99	261.81	102.73	350.64	60.25
2195	19363	75.94	1048.83	748.25	2172.92	808.22
4158	794	75.9	575.29	270.52	868.65	167.79
615	3131	75.76	309.17	146.46	478.47	135.26
639	13088	75.7	854.73	475.91	1406.97	347.29
705	10555	75.62	174.35	196.33	439.98	205.74
2338	16703	75.61	885.99	410.35	1240.26	288.4

900	22558	75.53	2594.36	713.4	3411.61	649.46
744	4944	75.51	232.33	164.34	95.09	48.47
2611	14103	75.42	170.7	89.26	297.35	100.28
1989	11576	75.37	56.56	29.25	87.45	24.43
3645	28	75.29	554.4	263.32	892.23	208.14
1889	11492	75.22	382.49	130.76	562.76	136.61
2590	4440	75.11	621.12	189.68	864.55	164.84
3224	22582	75.04	310.41	153.71	476.67	118.02
1726	9245	75.04	34.54	47.52	98.03	51.12
2304	22197	75	244.65	128.03	130.89	44.8
3455	6263	75	219.3	78.4	310.15	77.5
3710	16726	74.95	603.68	170.58	840.06	176.17
3450	20299	74.81	518.22	242.38	810.65	203.15
3386	20735	74.78	299.85	197.31	151.92	48.81
1520	2911	74.77	891.72	374.36	1274.57	298.14
246	21125	74.74	133.83	99.32	245.99	76.24
3457	10509	74.73	88.29	55.02	152.3	47.27
2761	11404	74.73	352.06	185.14	179.08	60.59
1466	7299	74.72	277.4	334.77	50.83	54.83
2871	812	74.69	333.66	123.26	484.38	88.86
4041	10545	74.63	305.05	117.99	191.15	51.01
3276	2150	74.59	648.71	151.06	830.26	130.29
1419	2670	74.58	127.9	89.66	238.24	91.62
62	4133	74.18	287.37	108.06	403.19	99.63
182	6060	74.15	410.22	130.87	518.5	90.31
2705	14767	74.15	208.74	97.86	343.32	101.07
1987	18522	74.03	339.47	122.61	451.2	104.55
2219	2536	73.98	347.97	312.16	668.31	319.47
3633	24645	73.91	305.06	111.1	420.1	127.47
2570	15955	73.84	139.42	98.08	204.39	72.01
3931	20707	73.76	457.33	395.34	623.34	229.96
115	19103	73.73	582.59	293.24	773.52	173.83
1000	17844	73.7	292.3	148.99	157.02	53.46
3060	7064	73.66	503.2	269.79	277.13	115.91
1381	3995	73.64	1327.2	400.68	1729	293.19
1508	7003	73.57	289.23	134.99	430.44	102.85
2802	19952	73.46	87.65	48.13	137.17	46.34
3513	24434	73.45	147.16	85.03	260.09	89.13
602	9053	73.36	46.21	33.99	81.05	25.99
3953	15029	73.23	1123.39	601.02	1730.82	409.24
2582	18910	73.23	740.94	419.74	1224.03	408.32
2418	12946	73.2	276.11	97.58	366.92	78.63
2970	32	73.19	237.1	79.79	314.26	72.46
1884	24375	73.19	178.09	76.34	112.64	29.43
716	3822	73.17	1766.33	603.91	1232.97	284.07
1117	2905	73.15	369.49	219.29	526.2	157.37
1775	11742	73.13	175.84	78.95	265.18	72.76
2995	2505	73.12	582.26	215.56	813.22	146.67
1006	24366	73.12	130.31	57.4	199.22	52.88
589	4590	73.09	32.45	25.98	57.6	21.45
2877	134	73.06	72.37	57.34	131.23	42.87
259	21173	73.06	139.08	74.53	212.42	66.08
353	6389	73.05	48.82	27.08	80.63	30.31

2656	22234	73.03	118.62	61.1	195.39	66.14
3516	23608	73	609.23	300.85	349.11	117.6
2436	13757	72.94	149.31	60.7	208.87	41.84
1566	20983	72.91	762.84	300.3	1062.51	225.68
3426	17324	72.83	284.14	110.38	404.23	102.12
3801	11830	72.83	866.49	395.25	558.85	145.17
1501	7582	72.79	355.08	163.31	564.39	184.79
1880	2484	72.76	194.77	169.63	403.94	204.93
1747	9399	72.68	246.85	87	340.61	91.84
2008	24162	72.68	954.37	293.68	1294.88	316.19
3042	1529	72.67	477.23	134.23	605.6	103.81
1091	2468	72.67	338.58	107.98	243.52	65.28
4228	25702	72.63	610.48	179.64	456.71	78.13
1622	8600	72.6	43.65	46.31	95.01	50.94
1916	9754	72.57	110.59	100.98	243.75	125.44
3241	15613	72.55	740.81	422.24	1276.17	623.89
1538	7903	72.44	40.73	42.65	106.87	69.91
4118	1478	72.43	325.94	119.44	455.16	99.81
1438	7199	72.4	1384.25	465.85	1845.15	398.42
3768	11403	72.4	371.7	287.29	125.79	105.44
2558	573	72.36	643.56	296.49	975.07	295.14
384	14353	72.34	56.28	28.81	31.1	11.73
1890	16885	72.31	1256.79	481.81	1715.81	408.9
4041	10544	72.31	248.76	99.46	157.91	41.83
1126	20694	72.3	326.2	160.75	460.4	125.61
1991	11693	72.26	254.68	178.21	437.13	175.04
1239	3031	72.26	34.99	22.59	74.78	38.3
2146	17049	72.26	260.47	110.53	362.27	80.9
1505	7617	72.21	188.2	126.55	286.76	113.63
3554	20380	72.19	122.94	62.6	185.13	66.19
850	19069	72.16	525.73	232.3	823.36	292.8
758	5026	72.14	52.53	56.56	141.34	85.98
2886	62	72.14	95.45	38.85	126.48	33.26
3517	24284	72.09	46.1	25.25	26.4	9.87
1986	13167	72.06	88.95	29.42	118.87	27.04
3386	20734	72.04	304.72	184.9	157.58	54.3
2035	3916	71.96	1153.89	480.43	1650.18	306.22
3679	24811	71.96	1109.31	455.79	1611.89	321.31
266	18908	71.96	138.13	160.61	305.79	160.25
3260	24771	71.95	850.49	356.84	1191.61	251.64
863	22368	71.93	932.35	292.47	1269.35	267.54
498	9905	71.91	517.94	174.33	687.19	116.87
3661	6554	71.91	476.48	157.14	648.62	137.68
4048	1753	71.86	332.32	161.4	473.76	147.26
363	4591	71.86	35.42	17.52	54.39	16.85
4228	10109	71.82	1242.54	314.81	990.72	130.13
1737	1501	71.78	674.84	419.83	444.37	117.97
2958	25370	71.78	95.94	79.86	168.03	87.16
1378	3934	71.77	1513.46	620.34	2092.23	459.8
234	6190	71.77	115.38	30.83	146.68	25.88
444	15372	71.76	230.28	76.59	166.84	33.84
581	19086	71.71	181.61	99.62	102.86	39.24
350	17334	71.68	255.48	129.36	154.43	51.81

4008	15239	71.67	735.97	182.55	589.29	104.99
3276	2149	71.67	809.63	210.72	1035.3	188.79
307	4134	71.62	714.86	333.09	1003.63	288.21
1537	7893	71.62	933.46	426	1316.07	348.51
2639	2822	71.6	113.55	50.74	171.31	50.56
2001	23075	71.57	262.8	121.45	154.33	70.02
1515	7665	71.56	281.16	131.36	174.28	48.3
581	19085	71.45	126.63	61.48	74.3	28.75
2169	13353	71.45	230.24	75.26	299.82	49.14
1290	3365	71.45	630.75	267.71	857.68	194.93
2548	14007	71.44	158.3	59.36	220.19	55.73
3749	21978	71.43	124.71	51.41	194.2	62.83
1696	18792	71.42	122.98	48.22	172.29	40.98
1295	4951	71.39	347.16	186.61	163.59	126.43
3227	16982	71.37	846.15	806.61	217.9	292.88
3141	23445	71.37	144.75	123.58	261.76	108.44
555	22867	71.36	200.41	71.94	267.95	56.86
1329	15089	71.36	253.17	143.75	143.81	54.42
865	2762	71.35	701.01	254.53	887.55	200.46
2218	3431	71.34	1330.63	434.05	979.49	230.62
2031	20503	71.31	668.44	359.37	995.08	297.94
787	24225	71.31	321.66	88.44	397.66	74.06
1923	14512	71.27	791.91	361.34	1148.03	332.91
2451	6604	71.26	26.65	19.24	43.55	15.59
1134	19249	71.24	304.03	147.92	202.74	47.99
3274	10886	71.24	730.33	287.1	1046.2	292.18
2000	10984	71.24	802.42	375.97	1112.79	241.21
2427	13749	71.22	31.36	20.88	50.79	20.84
3613	14970	71.19	151.93	50.29	192.94	33.17
1602	16765	71.18	190.04	77.82	257.16	57.64
2209	24763	71.16	69.62	30.18	99.74	39.5
1130	3145	71.15	489	190.63	677.04	169.61
434	16327	71.11	454.39	198.47	560.99	123.34
3888	12332	71.1	68.52	126.38	185.76	113.94
2038	5899	71.1	930.14	413.45	1287.79	254.28
194	19729	71.08	303.79	232.82	616.99	311.69
2089	17591	71.05	175.12	74.27	119.36	24.95
3134	8829	71.04	286.02	172.15	167.16	55.3
2632	4670	71.03	901.92	702.31	370.87	215.27
2633	7243	71.02	78.71	35.67	46.14	16.9
2257	12958	71.02	838.44	339.37	1212.95	349.39
2216	2532	71	33.67	79.66	119.79	81.06
1668	8808	70.98	331.35	127.32	442.27	93.97
1692	9016	70.97	1847.63	936.34	2925.18	883.92
1773	7868	70.94	188.55	79.16	296.31	95.77
2252	5943	70.92	417.65	251.42	723.51	291.6
2910	10184	70.91	82.54	57.81	132.19	51.45
2202	8387	70.91	227.23	69.53	308.51	58.02
2476	12587	70.87	73.09	44.69	118.52	45.74
3393	1099	70.87	179.35	73.75	239.9	63.52
2710	14776	70.86	110.07	46.34	159.04	43.79
232	11021	70.86	180.38	91.1	281.58	84.48
1476	7344	70.85	141.54	66.24	199.98	52.69

864	22370	70.85	198.41	77.32	280.23	76.9
2617	15900	70.85	239.02	90.01	167.84	49.46
1843	23874	70.82	295.61	144.88	187.68	69.09
820	22870	70.81	693.77	226.73	958.56	235.69
4118	1479	70.8	227.52	87.45	317.81	84.69
3319	15299	70.78	149.12	201.47	50.74	22.41
2096	15684	70.78	466.9	183.19	322.59	81.12
2294	5813	70.74	71.44	26.44	101.23	28.82
394	21707	70.73	90.05	86.85	28.22	26.82
2371	22569	70.73	114.78	52.45	153.84	40.41
1096	12361	70.73	335.35	252.61	436.16	157.59
166	5923	70.73	169.98	70.34	233.66	65.76
1733	9292	70.71	103.79	33.86	72	22.06
2576	14521	70.71	378.9	153.05	513.94	151.4
480	17225	70.67	195.04	96.2	118.27	46.57
2167	3418	70.67	345.32	114.21	267.79	44.4
2983	21097	70.66	1160.57	654.64	856.27	190.12
266	18909	70.63	1321.39	680.45	2030.18	629.64
3949	17887	70.63	960.66	311.73	1232.81	268.22
157	6007	70.58	476.71	105.67	574.72	98.28
4260	1877	70.57	596.77	248.33	719.16	151.81
3866	16809	70.57	53.93	47.14	23.52	14.01
2104	8215	70.56	515.08	206.26	349.32	68.7
1294	13936	70.56	87.37	31.65	117.14	29.77
2170	18507	70.54	868.8	287.79	643.75	144.25
3159	18960	70.51	119.65	54.24	168.02	47.49
2260	14083	70.5	423.13	196.39	588.93	152.15
1135	16883	70.49	1669.09	503.82	2170.81	460.15
160	6016	70.47	1705.77	1204.55	2241.42	568.62
2583	17703	70.47	290.62	88.28	366.57	67.04
3859	15136	70.47	743.81	236.73	535.14	134.51
1362	17524	70.47	2246.77	731.43	2927.49	618.74
28	17688	70.47	78.32	35.11	48.74	16.54
2417	6715	70.46	200.56	51.43	250.69	47.65
720	16465	70.46	337.24	87.66	428.48	97.67
3742	16364	70.45	136.06	115.14	197.06	76
1736	9331	70.45	50.42	25.03	28.18	17.25
3888	12331	70.44	226.27	122.01	353.91	112.9
3144	10248	70.43	46.56	47.05	20.42	12.29
4216	18606	70.42	873.98	233.92	680.36	116.77
4033	6824	70.41	568.53	304.74	351.71	78.39
267	17339	70.4	563.4	381.68	920.39	432.57
1980	24170	70.39	80.8	46.71	125.33	46.01
2713	14312	70.39	411.7	123.23	520.59	124.96
2431	6072	70.37	1663.64	663.25	1941.63	326.28
966	23584	70.35	179.59	131.26	234.93	66.45
4226	5667	70.33	927.04	191.86	776.26	104.11
3673	16204	70.33	898.67	220.96	727.47	111.06
618	13332	70.32	168.15	83.98	245.57	77.53
3178	20757	70.31	404.81	250.37	242.31	54.88
3046	1430	70.31	51.39	65.28	103.05	58.96
1138	3189	70.31	67.11	40.68	122.56	61.99
2292	17847	70.31	616.51	172.14	736.93	125.72

798	3791	70.3	193.24	56.31	235.97	46.45
1817	11228	70.3	603.64	216.76	792.46	203.62
1985	5874	70.28	92.97	43.42	128.57	38.7
1652	8132	70.28	81.73	37.4	49.75	22.13
1667	9067	70.28	905.02	319.12	657.76	172.4
2139	15016	70.28	536.98	184.44	385.15	96.31
2778	22038	70.27	155.38	55.42	113.17	25.26
1210	17963	70.27	79.62	37.82	113.3	44.12
1178	17009	70.2	129.88	155.48	260.53	165.61
3977	21439	70.17	88.75	70.01	161.04	67.26
2330	2818	70.17	365.52	82.6	298.38	49.62
1984	8339	70.16	65.35	30.78	90.94	28.43
3433	19712	70.16	110.98	53.23	150.13	43.73
1913	4143	70.12	386.09	124.01	513.41	127.96
3389	6017	70.11	455.13	455.31	914.37	485.04
2628	7888	70.11	330.85	125.48	235.58	51.54
98	12064	70.08	496.79	236.18	643.13	155.3
3233	21396	70.08	367.11	132.67	497.52	120.61
586	23783	70.05	450.8	137.01	583.47	119.36
2018	4091	70.05	411.19	128.17	319.94	68.41
4149	912	70.05	423.5	105.72	335.35	64.63
3390	24883	70.02	137.1	67.79	189.86	51.6
831	23055	70.01	53.83	57.88	111.9	77.42

TABLE 5WWW: CROSS-SPECIES Attorney Docket 44921-5038-01-WO
Timepoint(s): Various Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
3171	18564	77.77	288.02	95.25	407.63	80.26
3029	1973	77.02	295.11	83.61	422.87	94.38
705	10555	75.62	174.35	196.33	439.98	205.74
3645	28	75.29	554.4	263.32	892.23	208.14
3455	6263	75	219.3	78.4	310.15	77.5
3276	2150	74.59	648.71	151.06	830.26	130.29
1419	2670	74.58	127.9	89.66	238.24	91.62
62	4133	74.18	287.37	108.06	403.19	99.63
2970	32	73.19	237.1	79.79	314.26	72.46
1006	24366	73.12	130.31	57.4	199.22	52.88
589	4590	73.09	32.45	25.98	57.6	21.45
259	21173	73.06	139.08	74.53	212.42	66.08
353	6389	73.05	48.82	27.08	80.63	30.31
2656	22234	73.03	118.62	61.1	195.39	66.14
3516	23608	73	609.23	300.85	349.11	117.6
1566	20983	72.91	762.84	300.3	1062.51	225.58
3801	11830	72.83	866.49	395.25	558.85	145.17
1091	2468	72.67	338.58	107.98	243.52	65.28
3241	15613	72.55	740.81	422.24	1276.17	623.89
1438	7199	72.4	1384.25	465.85	1845.15	398.42
1239	3031	72.26	34.99	22.59	74.78	38.3
3554	20380	72.19	122.94	62.6	185.13	66.19
2886	62	72.14	95.45	38.85	126.48	33.26

758	5026	72.14	52.53	56.56	141.34	85.98
1986	13167	72.06	88.95	29.42	118.87	27.04
3679	24811	71.96	1109.31	455.79	1611.89	321.31
363	4591	71.86	35.42	17.52	54.39	16.85
2958	25370	71.78	95.94	79.86	168.03	87.16
444	15372	71.76	230.28	76.59	166.84	33.84
3276	2149	71.67	809.63	210.72	1035.3	188.79
307	4134	71.62	714.86	333.09	1003.63	288.21
2639	2822	71.6	113.55	50.74	171.31	50.56
1515	7665	71.56	281.16	131.36	174.28	48.3
2169	13353	71.45	230.24	75.26	299.82	49.14
1329	15089	71.36	253.17	143.75	143.81	54.42
555	22867	71.36	200.41	71.94	267.95	56.86
2218	3431	71.34	1330.63	434.05	979.49	230.62
787	24225	71.31	321.66	88.44	397.66	74.06
3274	10886	71.24	730.33	287.1	1046.2	292.18
1134	19249	71.24	304.03	147.92	202.74	47.99
3613	14970	71.19	151.93	50.29	192.94	33.17
2209	24763	71.16	69.62	30.18	99.74	39.5
2257	12958	71.02	838.44	339.37	1212.95	349.39
1668	8808	70.98	331.35	127.32	442.27	93.97
2910	10184	70.91	82.54	57.81	132.19	51.45
864	22370	70.85	198.41	77.32	280.23	76.9
1476	7344	70.85	141.54	66.24	199.98	52.69
1843	23874	70.82	295.61	144.88	187.68	69.09
820	22870	70.81	693.77	226.73	958.56	235.69
2096	15684	70.78	466.9	183.19	322.59	81.12
1096	12361	70.73	335.35	252.61	436.16	157.59
2576	14521	70.71	378.9	153.05	513.94	151.4
1733	9292	70.71	103.79	33.86	72	22.06
3949	17887	70.63	960.66	311.73	1232.81	268.22
3866	16809	70.57	53.93	47.14	23.52	14.01
1294	13936	70.56	87.37	31.65	117.14	29.77
2104	8215	70.56	515.08	206.26	349.32	68.7
2170	18507	70.54	868.8	287.79	643.75	144.25
2583	17703	70.47	290.62	88.28	366.57	67.04
720	16465	70.46	337.24	87.66	428.48	97.67
2417	6715	70.46	200.56	51.43	250.69	47.65
1980	24170	70.39	80.8	46.71	125.33	46.01
3673	16204	70.33	898.67	220.96	727.47	111.06
4226	5667	70.33	927.04	191.86	776.26	104.11
618	13332	70.32	168.15	83.98	245.57	77.53
3046	1430	70.31	51.39	65.28	103.05	58.96
798	3791	70.3	193.24	56.31	235.97	46.45
1667	9067	70.28	905.02	319.12	657.76	172.4
1652	8132	70.28	81.73	37.4	49.75	22.13
1985	5874	70.28	92.97	43.42	128.57	38.7
1210	17963	70.27	79.62	37.82	113.3	44.12
1178	17009	70.2	129.88	155.48	260.53	165.61
2330	2818	70.17	365.52	82.6	298.38	49.62
3977	21439	70.17	88.75	70.01	161.04	67.26
3433	19712	70.16	110.98	53.23	150.13	43.73
1984	8339	70.16	65.35	30.78	90.94	28.43

2018	4091	70.05	411.19	128.17	319.94	68.41
586	23783	70.05	450.8	137.01	583.47	119.36
831	23055	70.01	53.83	57.88	111.9	77.42
3974	61	69.98	43.11	34.64	68.42	38.71
1558	1431	69.97	304.54	211.24	469.38	169.13
1046	5952	69.93	221.53	194.8	79.84	48.41
596	19443	69.91	1182.78	501.22	1438.37	331.54
3801	18795	69.91	700.4	295.08	490.13	135.43
1292	410	69.89	141.63	90.07	194.83	67.95
255	14207	69.87	29.52	17.55	44.01	17.85
444	15371	69.87	331.77	97.25	260.03	52.79
776	5110	69.86	437.63	192.67	295.49	63.7
2881	20984	69.85	956.59	344.93	1256.43	239.8
740	20797	69.83	654.12	204.7	824.52	159.26
288	6471	69.8	382.01	180.29	543.69	172.42
3465	12082	69.78	245.81	155.26	354.64	143.66
3980	25479	69.75	984.3	282.3	1258.29	225.92
3986	17532	69.71	377.61	166.47	522.06	150.36
1159	23502	69.71	94.84	50.43	160.19	66.07
3635	17427	69.7	966.21	290.24	1167.73	185.59
3914	9952	69.68	232.91	65.76	183.55	43.37
2531	13966	69.66	213.92	69.07	165.16	28.18
2561	19274	69.62	119.19	46.21	158.27	48.59
2477	12551	69.62	196.02	110	245.07	64.72
2993	21052	69.62	216.51	102.66	316.45	96.53
1634	8303	69.62	126.32	79.66	162.68	55.53
1594	7552	69.61	792.63	288.39	1042.29	230.88
1196	3082	69.61	335.18	154.07	235.56	55.03
3295	17104	69.6	667.73	196.44	505.08	94.35
2622	7161	69.6	68.88	37.85	41.45	18.15
1573	24290	69.6	2380.88	624.58	2979.79	584.6
2233	23299	69.55	308.22	214.74	162.06	61.66
700	22060	69.52	157.67	57.22	214.67	62.93
143	2544	69.51	171.6	57.05	239.6	63.17
3349	20778	69.49	61.34	20.43	77.02	17.03
3321	20601	69.49	641.69	413.94	1060.41	403.83
1581	5711	69.39	845.94	316.64	1151.27	304.37
177	8728	69.38	118	60.59	75.18	23.27
199	5608	69.38	147	55.51	103.48	25.47
1816	8837	69.35	182.4	64.43	227.91	46.54
2137	2140	69.29	64.21	59.65	97.81	49.35
927	23035	69.28	575.28	335.09	646.68	172.92
4225	25701	69.28	110.34	41.63	149.74	44.71
3668	20743	69.27	113.27	37.09	148.87	33.69
1144	3032	69.27	92.49	64.8	165.88	78.14
1907	2539	69.26	66.69	66.82	21.43	23.35
1437	11191	69.24	623.1	600.72	1250.16	738.73
1094	2486	69.23	415.77	170.38	549.44	138.08
196	10985	69.23	478.12	166.28	614.37	116.86
3986	25039	69.22	762.14	293.16	1032.96	271.08
1779	4650	69.21	104.52	71.46	53.88	49.17
745	18434	69.21	639.89	257.21	839.13	216.35
3378	16449	69.18	211.57	186.98	362.39	155.66

3852	4588	69.09	33.17	14.98	43.74	11.79
1761	23124	69.09	163.15	48.22	193.9	33.95
1426	2242	69.09	2594.76	1333.11	2431.24	702.72
1554	5465	69.08	649.21	200.8	814.17	179.49
2157	7134	69.08	122.91	39.59	158.86	40.4
2482	6629	69.03	352.77	98.64	436.59	94.79
3460	10562	69.02	170.94	63.73	221.77	54.11
3378	16450	69	185.48	93.27	265.68	79.3
658	22584	68.99	27.24	15.48	40.72	17.62
1273	26123	68.98	403.94	224.97	248.33	85.97
724	4866	68.94	323.56	220.59	407.79	144.67
2318	14520	68.92	718.89	287.37	929.15	271.99
3257	3202	68.9	312.29	148.94	204.06	59.69
1957	6638	68.9	62.37	36.79	86.23	25.38
1353	5466	68.87	142.15	56.41	100.61	24.64
986	23626	68.86	201.12	116.89	120.63	56.66
3801	23192	68.81	277.27	117.81	196.73	57.65
1395	4205	68.8	291.77	147.91	182.61	54.27
2612	11561	68.8	222.61	82.98	161.97	43.32
1661	8715	68.78	1933.02	1288.57	1534.57	369.02
4110	22196	68.78	74.28	48.92	39.71	17.41
3600	12639	68.77	1220.95	226.32	1068.08	134.55
2736	15398	68.76	120.19	79.21	64.19	37.26
137	1846	68.76	489.04	119.47	574.7	96.78
847	21962	68.75	183.19	58.91	232.81	58.04
762	23440	68.73	111.58	125.59	224.77	150.16
2227	10187	68.7	178.99	73.07	243.28	70.75
3620	20862	68.7	208.89	100.37	291.27	85.54
2595	14073	68.68	170.77	79.39	232.8	72.02
283	21353	68.67	1193.72	449.28	1469.14	294.93
3203	2667	68.66	690.95	215.8	851.81	173.83
149	2897	68.66	60.98	33.47	39.56	17.93
791	17514	68.63	427.65	147.04	555.38	121.94
3980	16922	68.63	697.44	197	879.16	162.12
3584	6911	68.61	188.66	80.63	248.73	65.16
1875	4235	68.61	416.89	162.07	298.92	94.14
2687	11644	68.6	768.73	297.92	890.46	175.16
733	4917	68.6	208.76	60.29	258.79	46.71
1489	7451	68.59	1396.7	510.59	1080.67	215.46
1953	21164	68.57	268.4	126.78	380.18	136.64
3744	1524	68.57	108.28	62.98	155.75	55.68
1312	6382	68.56	143.14	99.56	76.63	44
1380	7066	68.56	279.58	78.92	347.29	69.26
4211	20872	68.56	931.08	305.64	720.26	134.29
1449	7225	68.53	332.7	150.95	355.06	72.91
2973	13682	68.52	196.76	70.68	140.85	50.89
1647	10281	68.51	121.89	86.7	170.5	68.47
501	18128	68.51	96.48	30.33	125.94	28.58
3836	17155	68.51	185.29	83.99	120.66	39.81
2883	1921	68.5	363.23	239.85	168.76	106.57
3274	10887	68.5	85.17	35.98	112.54	27.85
4188	614	68.46	870.65	232.37	1078.33	221.09
3487	11039	68.46	130.13	55.8	178.73	47.4

1370	15679	68.45	214.51	94.52	146.93	48.35
3610	20839	68.43	1299.47	285.16	1088.5	155.78
655	17896	68.42	85.62	39.55	121.53	39.19
341	24161	68.4	380.32	103.82	478.92	106.67
1653	8520	68.4	321.68	100.94	397.37	82.51
577	13574	68.37	254.63	86.55	330.35	89.71
1725	20123	68.36	223.68	125.26	329.84	88.65
1108	15907	68.36	246.9	75.2	308.44	75.88
2279	22037	68.35	332.69	78.56	406.31	99.09
2783	14528	68.35	243.07	104.53	336.21	101.8
393	14139	68.31	40.39	18.21	56.2	16.32
2502	17879	68.31	237.45	70.4	314.51	93.29
4169	1314	68.3	230.14	67.58	180.59	33.52
600	17590	68.3	148.41	79.6	95.69	27.19
655	17897	68.27	373.2	150.32	485.53	116.46
1571	6740	68.27	342.85	105.69	423.44	103.94
629	17752	68.26	379.9	128.36	495.89	132.62
1838	4355	68.24	337.78	125.58	428.84	92.54
4063	8210	68.23	191.77	115.98	107.02	55.62
4128	18036	68.22	210.77	98.22	292.49	75.92
2115	3266	68.22	180.68	49.15	150.45	28.28
1092	11324	68.22	260.71	86.16	335.92	75.79
2497	20895	68.19	135.62	62.17	177.96	51.29
23	17613	68.19	371.95	133.14	281.27	62.96
402	16320	68.19	79.42	28.99	105.75	30.18
3101	18725	68.18	168.56	77.4	225.51	75.92
3044	4198	68.17	1100.95	327.81	1091.61	171.92
3005	1540	68.17	134.98	49.93	165.98	43.79
1001	24277	68.14	269.91	98.59	196.18	57.35
2575	14502	68.14	207.15	63.56	156.69	36.59
2723	9009	68.14	385.05	87.95	476.29	94
3986	17530	68.12	186.7	104.72	274.46	97.23
3516	23606	68.1	631.68	410.82	352.05	127.82
1098	2691	68.1	243.93	91.51	169.17	69.36
829	12247	68.1	122.48	84.05	183.46	74.07
1983	8634	68.09	157.75	80.37	104.74	48.03
106	4843	68.09	421.66	118.6	517.97	107.18
391	19067	68.05	100.57	53.04	139.26	48.14
3524	18107	68.05	401.43	109.81	326.56	59.27
3090	4452	68.03	886.8	306.99	1156.6	282.66
1005	11050	68.02	710.49	249.13	560.27	145.63
1408	3417	68.01	516.14	177.77	395.17	73.1
208	6438	68.01	131.87	66.18	182.42	58.29
3289	15365	68.01	891.2	333.93	645.16	125.31
3679	24810	67.97	292.82	150.13	456.25	128.79
4009	10018	67.97	260.2	118.71	181.9	54.89
4126	255	67.96	387.64	145.8	480.23	103.61
1041	8726	67.96	135.08	93.35	84.96	51.74
4003	17549	67.95	764.29	177.53	623.69	117.53
3344	356	67.93	149.32	111.95	147.29	46.36
1832	24181	67.93	124.59	57.39	79	24.79
2553	24501	67.93	634.23	157.53	521.34	86.23
778	23159	67.93	409.47	130.12	311.61	84.62

2664	17664	67.92	416.69	253.9	243.35	93.43
2126	19012	67.91	556.84	225.64	400.85	111.76
1087	2444	67.91	119.69	68.66	181.52	65.2
2508	4731	67.89	128.84	144.38	36.23	30.29
911	211	67.89	688.28	367.64	1176.91	592.79
2434	12252	67.89	864.85	232.74	1019.13	201.64
1198	1557	67.88	27.56	21.39	39.68	16.88
2351	13054	67.88	69.13	23.41	50.93	18.64
3651	1920	67.86	663.36	386.93	367.41	181.89
2290	18672	67.85	110.77	40.71	80.47	24.88
2217	2161	67.84	654.52	529	312.94	161.72
366	6440	67.83	404.48	194.32	254.8	98.77
4009	10019	67.82	224.45	103.51	153.06	51.22
2396	13670	67.82	85.24	34.32	115.46	30.25
2171	23536	67.82	70.89	64	26.57	37.27
242	22820	67.81	426.5	191.71	281.27	81.11
907	22574	67.81	151.79	182.36	402.11	309.52
1110	6783	67.81	102.58	60.82	62.89	27.41
2525	6743	67.78	915.55	270.61	1159.37	250.96
4013	19150	67.77	59.12	28.57	39.52	15.32
1300	21838	67.77	210.76	128.6	131	32.47
1533	7584	67.75	737.74	638.32	941.43	380.24
1067	2319	67.74	431.9	190.92	566.69	156.82
3587	21094	67.74	196.77	179.38	236.13	119.75
1090	24233	67.71	707.12	242.83	917.78	222.66
112	21380	67.71	91.28	39.48	62.47	21.33
1577	20444	67.7	86.66	42.03	58.53	35.13
2580	3143	67.69	306.33	89.19	372.02	81.41
2059	6164	67.69	304.21	109.83	351.01	71.98
393	14138	67.68	40.91	15.33	55.41	16.48
3382	15259	67.66	144.72	83.96	86.36	35.42
996	14510	67.66	2639.15	1226.17	3492.91	1098.51
4259	768	67.65	1353.87	309.58	1606.83	258.79
1648	8490	67.64	209.66	101.83	299.89	91.72
3321	20600	67.64	396.9	327.67	658.07	301.6
2673	9015	67.61	94.95	27.58	115.35	31.99
2062	15393	67.58	369.85	111.39	441.55	88.84
2150	13434	67.57	38.76	38.51	75.67	44.18
1969	23183	67.57	165.28	92.68	230.55	80.47
939	8860	67.56	293.12	127.69	371.63	105.49
1031	23080	67.54	835.84	421.03	1185.74	431.6
1256	11361	67.54	256.98	93.87	332.77	76.04
4238	4441	67.54	940.27	200.95	823.12	118.28
3165	4282	67.54	1242.36	574.56	1740.79	486.02
2968	19	67.53	756.02	301.64	554.06	147.6
2891	21864	67.53	33.05	16.01	21.33	10.05
2322	11660	67.51	118.01	46.41	89.3	23.43
3958	17758	67.46	266.15	307.61	351.61	238.28
3143	960	67.45	173.41	67.83	226.84	59.41
3594	11849	67.45	856.64	223.48	709.23	125.29
3295	17105	67.41	1117.43	283.69	927.38	194.54
4239	13646	67.41	892.25	275.14	702.93	149.12
3096	23524	67.38	104.4	64.83	57.27	45.13

1424	3203	67.37	260.9	116.49	186.24	44.33
3649	9620	67.35	601.38	150.52	510.43	89.37
3230	17628	67.34	715.53	137.11	815.84	133.15
1214	23417	67.31	280.95	101.29	212.05	48.37
3924	14959	67.28	648.44	208.84	499.67	95.61
4215	20427	67.26	900.06	205.07	756.53	127.69
3400	4592	67.24	191.79	76.87	139.31	31.94
4216	25691	67.23	1006.53	224.67	849.11	124.04
3775	25443	67.21	948.41	328.6	1189.29	304.35
2469	7067	67.21	276.13	89.4	353.46	81.75
1507	1876	67.2	683.28	267.37	796.49	167.63
3463	11455	67.17	71.61	53.39	38.9	56.02
2869	1884	67.13	197.44	73.06	151.25	31.6
3010	17123	67.11	131.52	45.5	100.68	25.77
3885	8592	67.1	300.12	124.38	394.15	116.04
3986	17533	67.08	233.09	125.6	325.28	114.38
3287	10503	67.08	524.19	154.11	604.9	107.85
3178	20755	67.06	108.77	121.18	40.79	20.85
344	1801	67.05	80.93	38	58.49	13.68
4004	17684	67.05	277.13	115.19	335.97	75.04
4107	228	67.04	430.29	134.04	512.97	100.94
3090	4450	67.02	158.06	59.2	205.63	53.79
3214	13282	67.02	177.9	79.38	243.36	70.87
501	11966	67.02	242.44	73.67	303.73	74.19
1898	15291	67.01	96.86	53.21	62.38	19.96
3956	1546	67.01	261.52	83.92	312.59	65.76
3116	16306	66.99	962.35	308.44	1149.73	219.02
296	1867	66.99	752.96	205.36	598.57	131.93
404	22927	66.99	40.88	25.81	23.29	11.74
3984	23166	66.99	232.45	97.58	162.7	51.7
3090	4451	66.98	210.67	85.74	279.48	77.2
3373	2079	66.98	195.85	68.11	229.68	54.62
60	18349	66.97	91.09	56.53	57	16.75
3103	9423	66.9	1057.08	514.83	774.04	189.98
3434	19824	66.89	289.5	177.58	408.58	150.59
3573	7872	66.89	249.18	74.82	309.91	69.56
2029	20466	66.88	351.24	138.81	459.19	140.55
3675	21693	66.87	753.8	200.49	928.07	172.96
4256	1548	66.87	557.12	146.84	674.13	116.09
3490	12606	66.79	621.18	287.04	774.78	201.18
3090	4449	66.79	182.55	79.34	251.5	78.17
4097	1928	66.79	236.45	106.82	304.98	83.91
2999	20464	66.77	1529.62	469.75	1893.1	544.17
4122	25078	66.73	298.95	95.41	381.76	95.92
1220	15292	66.7	213.86	99.54	146.93	34.99
3142	16947	66.69	935.36	340.75	1225.46	279.74
3199	17894	66.68	63.47	35.12	44.27	12.96
3867	17739	66.62	327.62	158.91	473.82	169.89
1459	21950	66.54	591.42	162.54	722.6	133.4
3030	64	66.53	106.64	45.7	142.61	39.25
4124	797	66.48	33.59	18.66	21.12	10.22
3626	4234	66.47	811.89	366.43	568.15	259.91
3189	17394	66.45	430.68	162.8	313.15	83.46

3411	20716	66.45	1369.01	385.55	1726.3	418.55
3177	6108	66.42	138.02	56.31	101.93	28.25
3434	19825	66.41	266.04	171.17	390.25	148.94
4127	18038	66.41	197.25	91.33	261.09	81.35
2930	20430	66.39	605.69	381.32	883.43	355.77
4065	3244	66.39	59.66	21	73.82	18.62
3344	355	66.39	70.96	66.99	64.66	25.6
2831	20056	66.35	90.58	34.47	114.44	29.89
640	1562	66.34	747.81	250.42	929.74	181.21
3601	23854	66.34	553.01	193.42	421.19	115.14
14	18299	66.32	121.08	27.91	100.58	18.9
2855	16610	66.28	198.74	109.91	131.99	52.47
76	23202	66.28	104.82	47.11	128.44	35.84
3285	24885	66.23	1023.96	260.94	855.24	149.18
661	2192	66.23	52.33	26.61	34.72	15.08
2910	10185	66.23	61.21	41.3	90.19	37.18
4020	15703	66.21	143.45	71.27	130.93	41.13
76	23203	66.2	88.78	49.95	104.63	36.15
3156	17541	66.19	1759.77	1098.05	1588.11	444.98
107	17997	66.17	174.21	45.08	213.14	48.68
3424	18727	66.12	1013.64	465.71	704.84	329.95
3949	17886	66.1	1116.44	233.17	1289.74	227.21
3663	18368	66.03	362.64	120.24	447.43	91.83
2970	31	66.02	281.69	99.08	353.66	95.89
3663	18369	66	120.27	64.54	169.25	49.47
3457	25814	65.99	90.92	55.71	149.1	71.12
3157	20819	65.96	89.28	35.9	69.1	14.18
28	17687	65.96	50.78	19.35	36.64	12.64
3803	15926	65.95	472.3	167.38	621.88	200.71
414	4462	65.93	125.88	94.99	204.11	102.22
3871	21066	65.9	73.4	26.64	55.33	14.27
611	8438	65.87	74.93	49.9	98.73	40.98
4253	405	65.85	825.95	238.8	986.25	156.59
3083	20744	65.83	609.22	527.99	289.69	178.47
3483	8984	65.83	217.18	73.47	166.16	43.92
3850	15718	65.83	58.42	26.79	78.5	26.27
2947	25343	65.82	64.29	30.46	72.38	22.02
4221	21123	65.81	778.23	292.41	1003.73	256.82
3778	16125	65.8	82.9	47.25	98.5	35.99
3059	23942	65.8	42.89	19.35	58.23	19.43
3592	17269	65.76	395.29	125.05	498.17	130.91
1928	1841	65.76	84.27	83.25	35.58	21.33
3666	17448	65.76	76.75	46.78	47.96	26.33
4099	1639	65.75	176.81	55.81	202.63	39.84
4226	18611	65.73	1285.32	330	1076.99	206.89
3534	21239	65.73	455.08	250.88	277.37	111.37
3117	24707	65.72	1040.18	525.49	1331.32	396.29
65	13683	65.72	116.88	41.7	88.7	22.78
3878	9528	65.71	163.77	124.25	209.98	82.15
3324	5747	65.69	157.37	64.22	114.17	36.3
3707	15069	65.68	758.44	411.73	942.45	358.93
3878	9527	65.67	185.91	142.85	245.98	110.93
3101	18726	65.64	301.13	112	375.83	101.91

3817	13369	65.64	197.54	53.22	158.4	35.68
3573	25453	65.64	286.4	81.98	338.69	69.45
3283	24693	65.59	1558.64	625.1	1297.32	348.23
3182	20931	65.57	345.69	231.81	455.91	200.33
3673	16205	65.57	1268.71	312.26	1055.03	205.58
3180	18695	65.55	90.63	38.86	118.94	42.21
2879	1218	65.49	219.34	58.07	250.38	47.34
3055	1678	65.49	103.4	40.36	131.17	34.94
628	20985	65.47	110.32	56.2	140.81	49.83
4095	58	65.45	60.72	39.27	39.87	13.54
3356	14973	65.44	53.97	100.44	72.85	93
3334	14003	65.4	159.86	161.69	149.52	54.17
4076	1460	65.4	401.02	317.53	250.09	60.17
3617	17379	65.39	161.54	88.67	102.86	54.69
628	20986	65.38	233.32	122.44	359.92	161.6
3366	24019	65.35	42.24	35.05	20.47	16.32
3700	22321	65.33	163.77	229.38	56.29	25.91
2968	20	65.32	436.74	195.19	326.74	105.14
3027	70	65.31	401.51	167.75	499.1	122.27
3293	21975	65.27	258.36	101.5	272.58	66.08
2946	15378	65.26	99.27	39.13	124.82	35.27
3531	8267	65.24	703.24	383.23	973.99	404.92
3667	15175	65.23	195.72	64.31	238.77	56.67
3163	494	65.22	24.44	32.56	46.1	33.38
3047	1694	65.19	1206.41	266.14	1040.67	177.4
4131	19543	65.18	57.88	22.48	44.67	24.04
4248	20844	65.18	809.4	218.34	681.31	144.38
1209	17962	65.16	60.01	23.14	76.18	26.95
4027	24657	65.16	53.84	32.67	75.25	31.19
521	22862	65.16	373.99	171.99	470.34	124.66
621	19745	65.16	63.45	27.98	46.34	14.67
2270	3071	65.12	71.42	31.53	51.03	17.31
22	15654	65.1	378.32	147.51	303.37	91.13
3986	17531	65.1	635.42	193.54	804.08	204.83
3465	12083	65.09	189.53	108.48	258.03	109.22
3921	17512	65.06	382.5	92.9	437.7	86.56
3216	1521	65.05	202.1	111.43	137.4	51.17
4210	25687	65.05	1428.29	309.52	1220.32	198.1
3653	5496	65.04	427.7	199.98	510.54	122.43
3466	13480	65.04	618.09	187.25	751.59	169.92
3715	16257	65.02	404.02	145.61	520.25	157.53
3701	11170	65.01	724.71	233.25	596.8	121.58